

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092018\
 Data File : VW005539.D
 Acq On : 20 Sep 2018 18:02
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

Quant Time: Sep 21 01:02:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 21 01:00:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	319959	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	302748	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	160542	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	104382	24.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.92%
7) Chloroethane-d5	2.89	69	84203	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.08%
10) 1,1-Dichloroethene-d2	4.01	63	225946	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.32%
20) 2-Butanone-d5	7.09	46	81078	48.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.46%
24) Chloroform-d	7.65	84	224531	25.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	8.31	65	141521	27.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.28%
29) Benzene-d6	8.28	84	432758	24.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.72%
33) 1,2-Dichloropropane-d6	9.28	67	130434	23.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.68%
37) Toluene-d8	10.33	98	409509	24.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.44%
38) trans-1,3-Dichloropropene-	10.58	79	63386	25.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.36%
39) 2-Hexanone-d5	10.93	63	67569	53.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.08%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128771	26.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	157199	25.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	114962	25.816	ug/L 86
3) Chloromethane	2.21	50	96674	20.606	ug/L 99
5) Vinyl chloride	2.37	62	119407	26.272	ug/L 99
6) Bromomethane	2.79	94	69089	24.504	ug/L 98
8) Chloroethane	2.93	64	68754	24.841	ug/L 96
9) Trichlorofluoromethane	3.26	101	97365	24.705	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	105596	25.102	ug/L 94
12) 1,1-Dichloroethene	4.03	96	97677	24.680	ug/L 93
13) Acetone	4.14	43	62817	43.639	ug/L 97
14) Carbon disulfide	4.37	76	307638	23.941	ug/L 98
15) Methyl Acetate	4.68	43	67411	23.993	ug/L 98
16) Methylene chloride	4.91	84	109506	20.693	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	159566	25.065	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	103200	24.500	ug/L 98
19) 1,1-Dichloroethane	6.21	63	198730	24.732	ug/L 98
21) 2-Butanone	7.18	43	87236	44.210	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	113407	24.824	ug/L 99

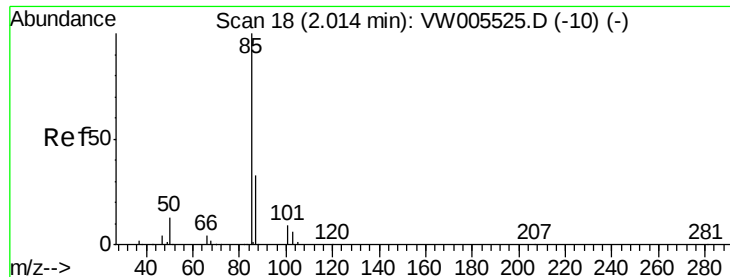
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	53391	26.283	ug/L	92
25) Chloroform	7.68	83	210348	25.933	ug/L	99
27) 1,2-Dichloroethane	8.40	62	161373	26.963	ug/L	99
30) Cyclohexane	7.96	56	186996	23.670	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	184929	26.744	ug/L	99
32) Carbon tetrachloride	8.07	117	179099	27.187	ug/L	100
34) Benzene	8.33	78	451301	24.700	ug/L	100
35) Trichloroethene	9.09	95	115782	24.500	ug/L	99
36) Methylcyclohexane	9.34	83	210579	24.858	ug/L	99
40) 1,2-Dichloropropane	9.37	63	115730	24.395	ug/L	99
41) Bromodichloromethane	9.65	83	152273	26.033	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	176765	25.342	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	193723	50.910	ug/L	99
44) Toluene	10.39	91	483447	25.588	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	166010	26.068	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	89852	25.550	ug/L	98
47) Tetrachloroethene	10.87	164	98581	25.584	ug/L	95
49) 2-Hexanone	10.98	43	143656	52.246	ug/L	99
50) Dibromochloromethane	11.13	129	111056	26.853	ug/L	96
51) 1,2-Dibromoethane	11.24	107	86545	26.019	ug/L	98
52) Chlorobenzene	11.66	112	310540	25.366	ug/L	97
53) Ethylbenzene	11.74	91	559621	25.503	ug/L	99
54) m,p-Xylene	11.85	106	211035	26.195	ug/L	99
55) o-xylene	12.17	106	198247	25.998	ug/L	100
56) Styrene	12.19	104	353237	26.927	ug/L	100
57) Isopropylbenzene	12.47	105	566961	26.562	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	122884	25.695	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	98363	25.787	ug/L	99
62) Bromoform	12.35	173	73196	26.292	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	249824	24.615	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	263207	25.256	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	246840	25.853	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	24988	25.228	ug/L	91
67) 1,3,5-Trichlorobenzene	14.64	180	205671	25.869	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	169737	26.029	ug/L	100
69) Naphthalene	15.38	128	366010	26.442	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	162288	26.354	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 25.816 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW005539.D

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Instrument :

MSVOA_W

ClientSampleId :

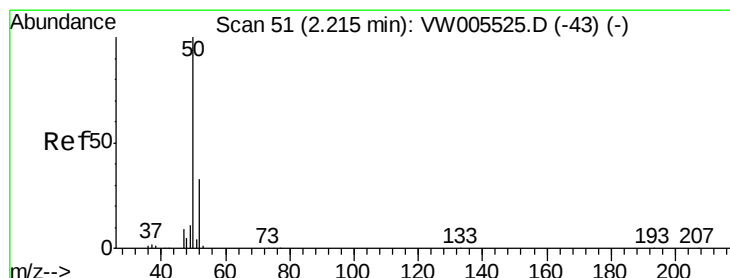
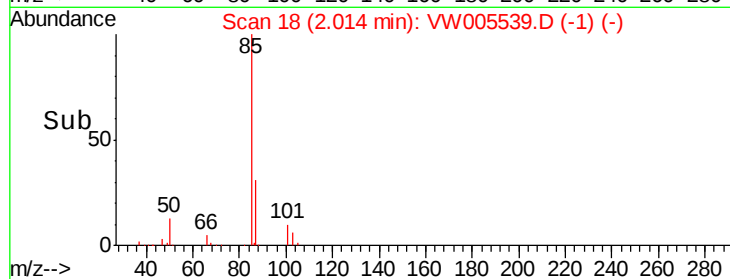
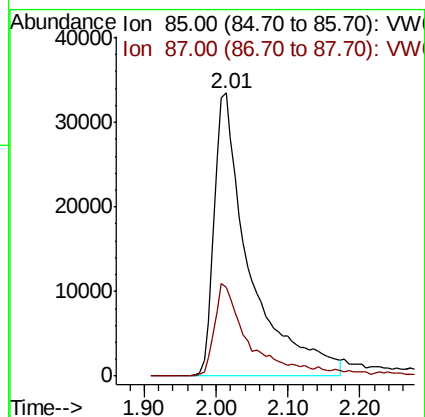
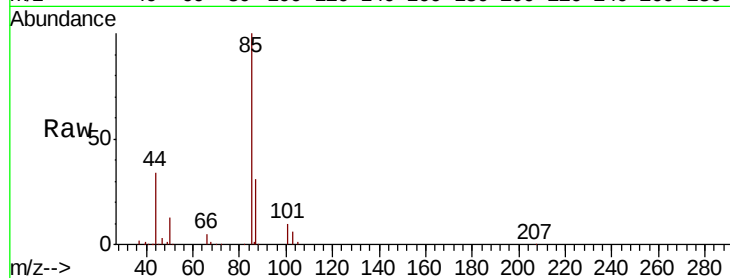
VSTD02581

Tgt Ion: 85 Resp: 114962

Ion Ratio Lower Upper

85 100

87 22.8 21.2 39.4



#3

Chloromethane

Concen: 20.606 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005539.D

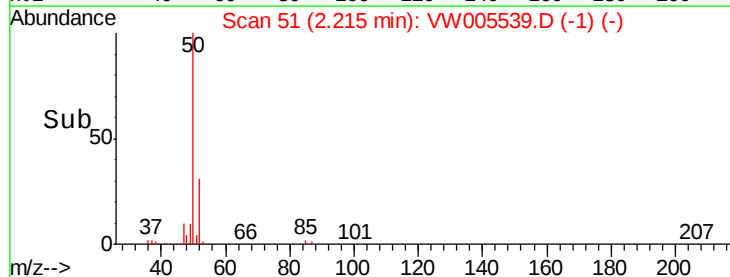
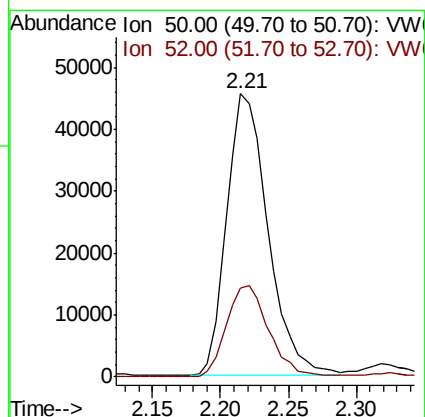
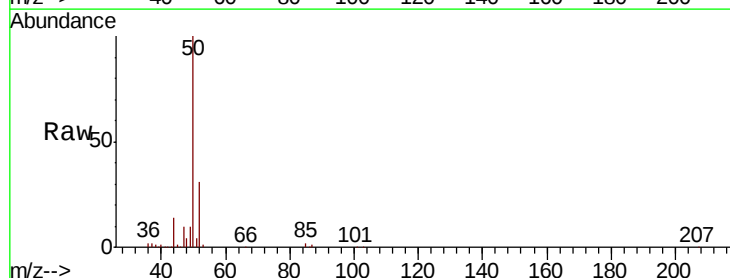
Acq: 20 Sep 2018 18:02

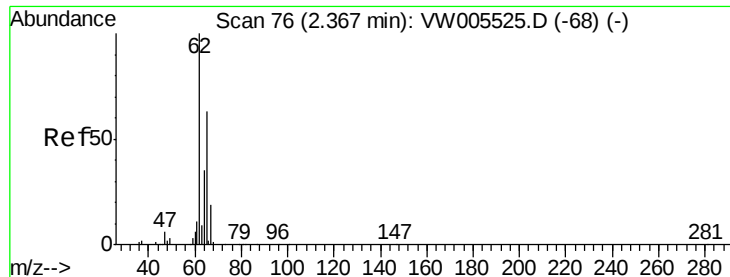
Tgt Ion: 50 Resp: 96674

Ion Ratio Lower Upper

50 100

52 31.4 22.4 41.6





#5

Vinyl chloride

Concen: 26.272 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

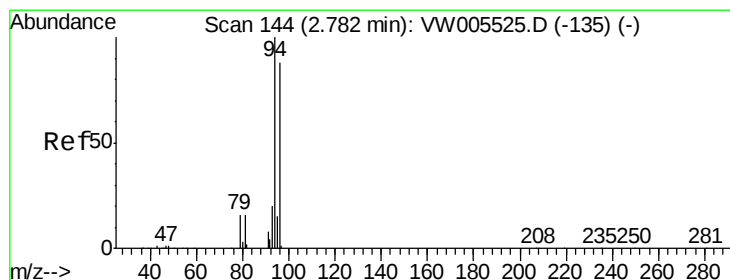
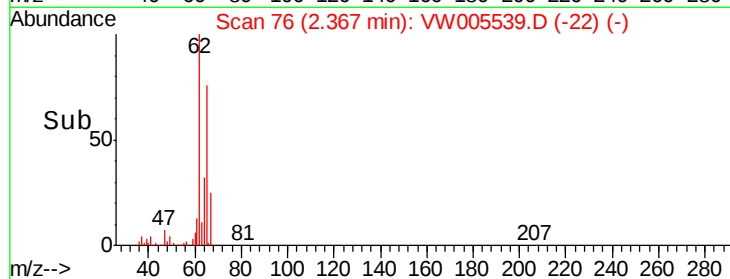
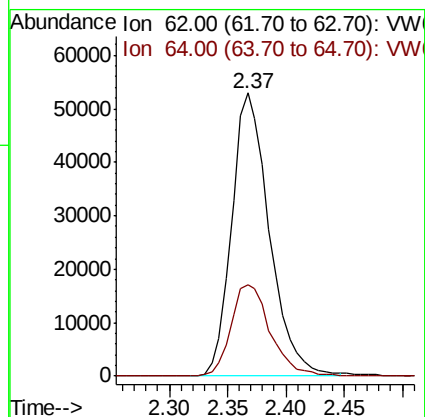
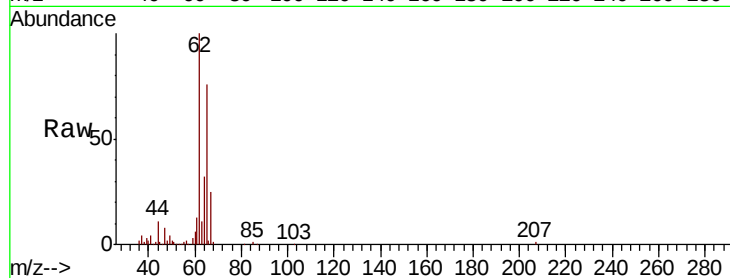
VSTD02581

Tgt Ion: 62 Resp: 119407

Ion Ratio Lower Upper

62 100

64 32.1 22.9 42.5



#6

Bromomethane

Concen: 24.504 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005539.D

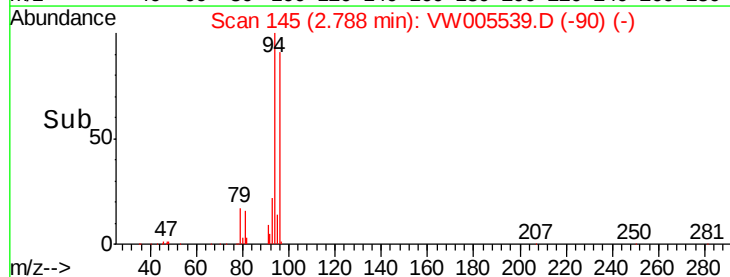
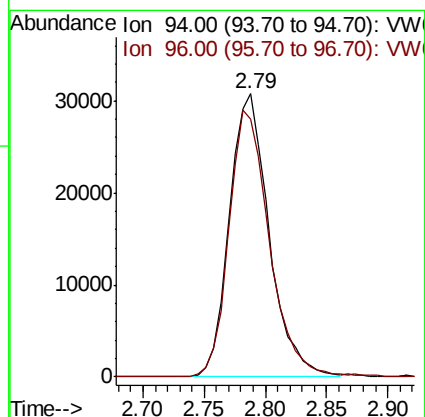
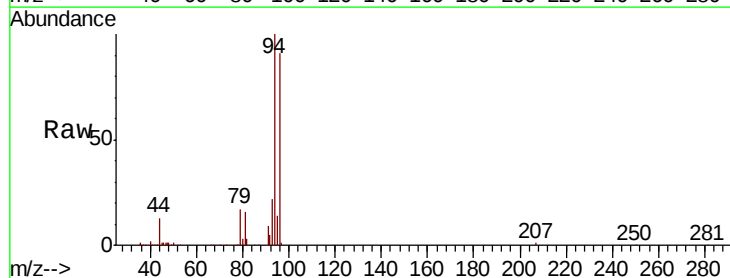
Acq: 20 Sep 2018 18:02

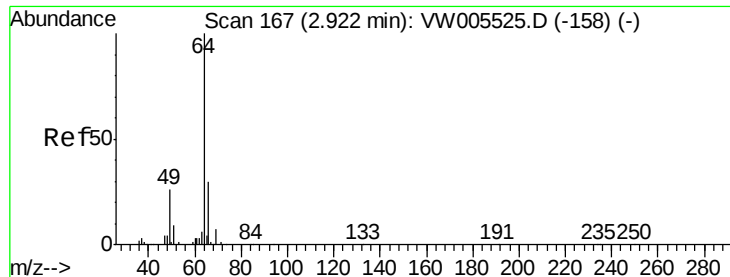
Tgt Ion: 94 Resp: 69089

Ion Ratio Lower Upper

94 100

96 95.7 9.4 178.6





#8

Chloroethane

Concen: 24.841 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

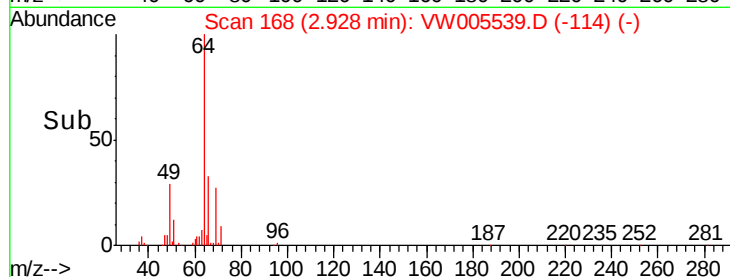
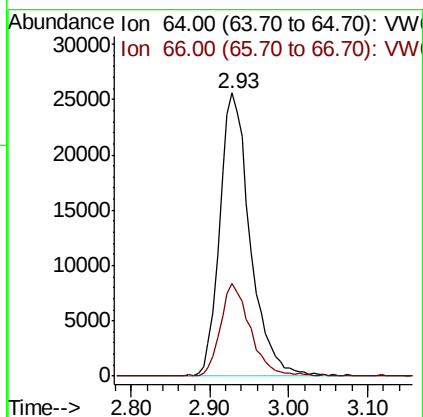
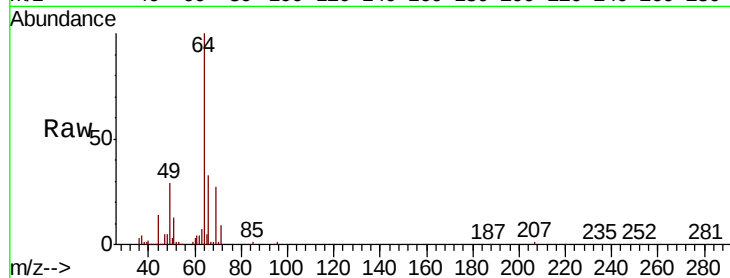
VSTD02581

Tgt Ion: 64 Resp: 68754

Ion Ratio Lower Upper

64 100

66 32.6 21.5 39.9



#9

Trichlorofluoromethane

Concen: 24.705 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW005539.D

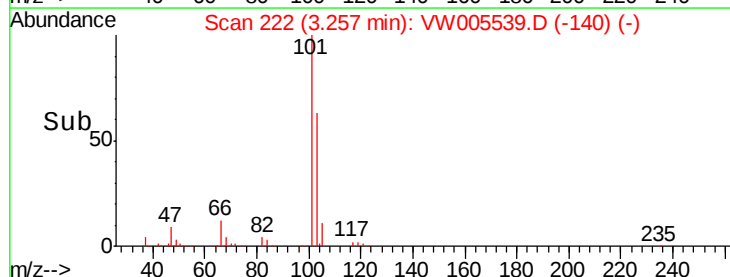
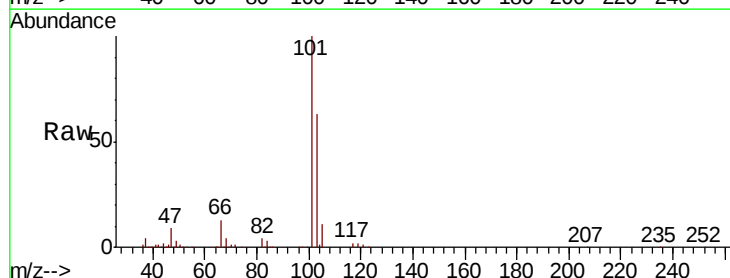
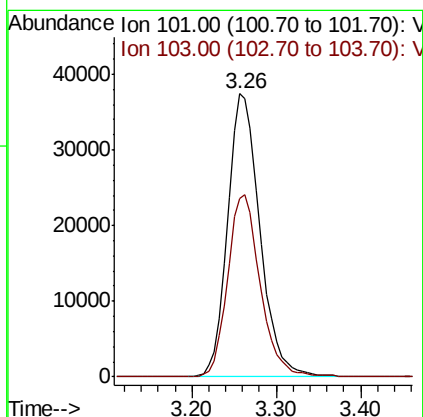
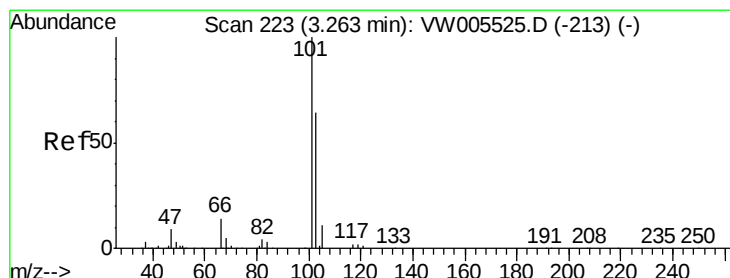
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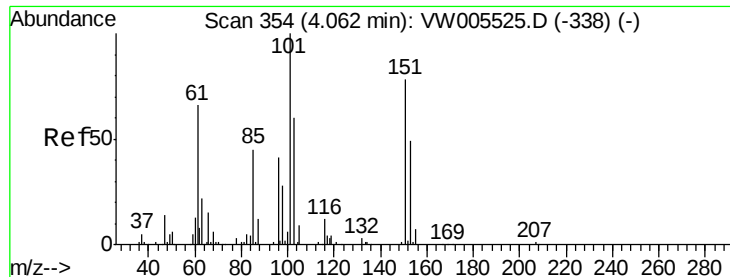
Tgt Ion: 101 Resp: 97365

Ion Ratio Lower Upper

101 100

103 64.9 45.3 84.1





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 25.102 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

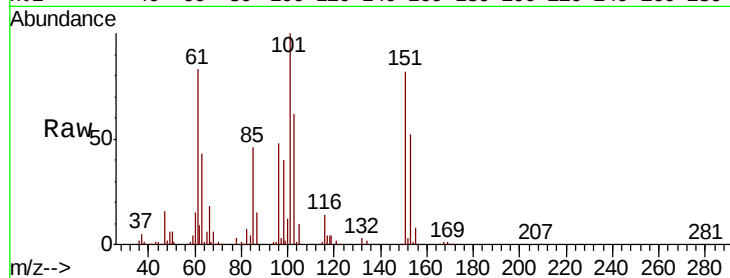
Tgt Ion:101 Resp: 105596

Ion Ratio Lower Upper

101 100

85 46.2 34.7 52.1

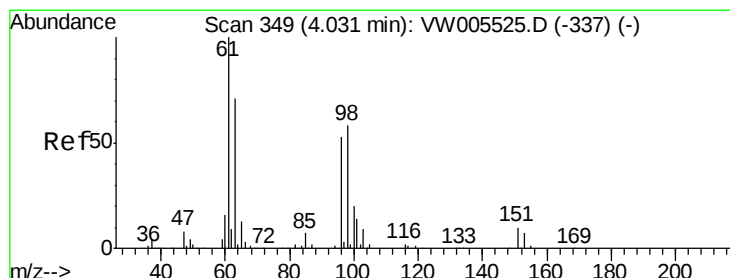
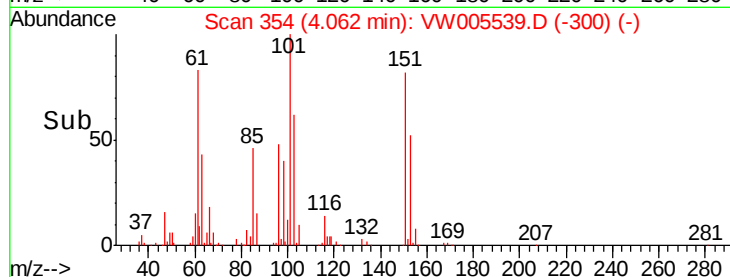
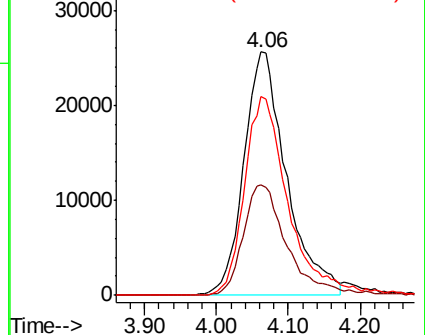
151 82.7 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.680 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

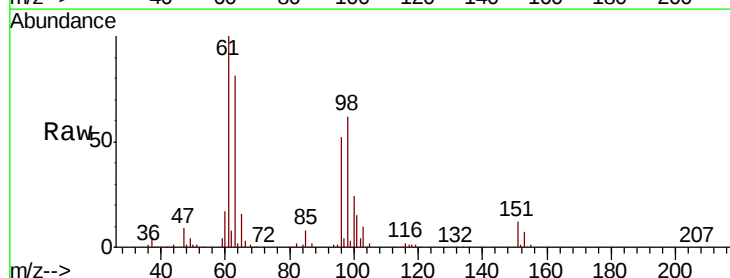
Tgt Ion: 96 Resp: 97677

Ion Ratio Lower Upper

96 100

61 193.9 129.5 240.5

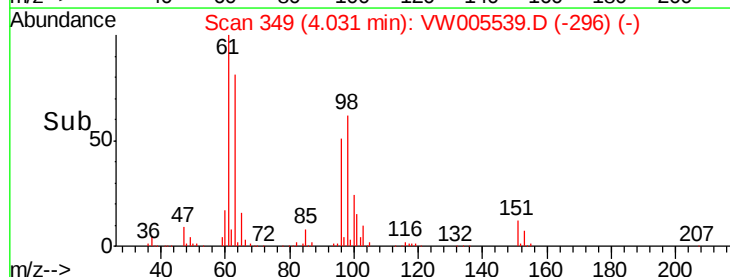
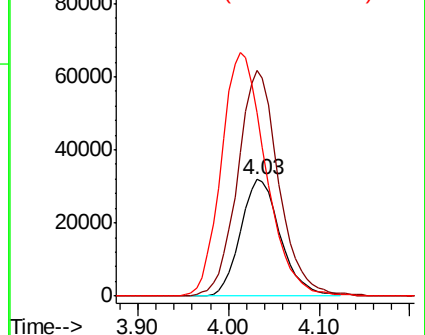
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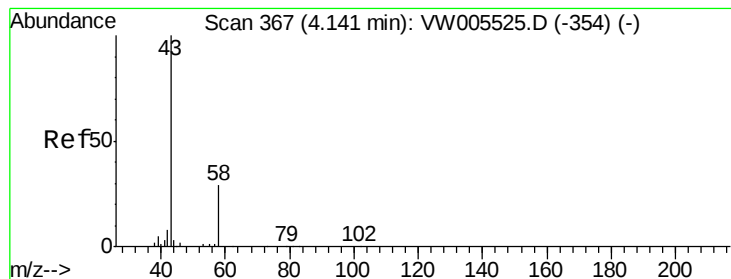


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 43.639 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

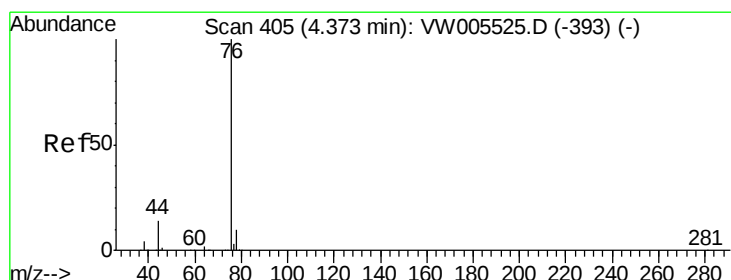
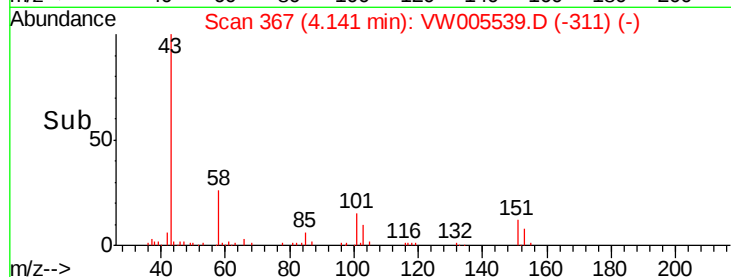
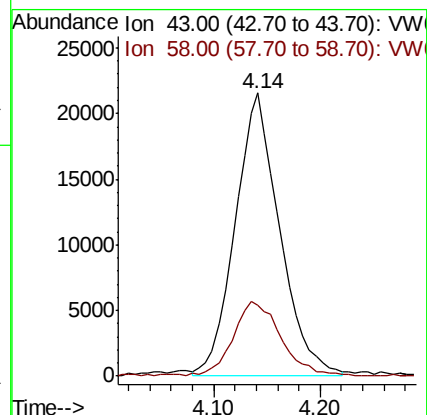
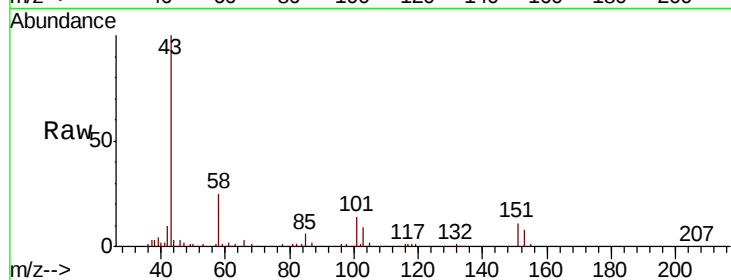
VSTD02581

Tgt Ion: 43 Resp: 62817

Ion Ratio Lower Upper

43 100

58 28.2 0.0 59.2



#14

Carbon disulfide

Concen: 23.941 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW005539.D

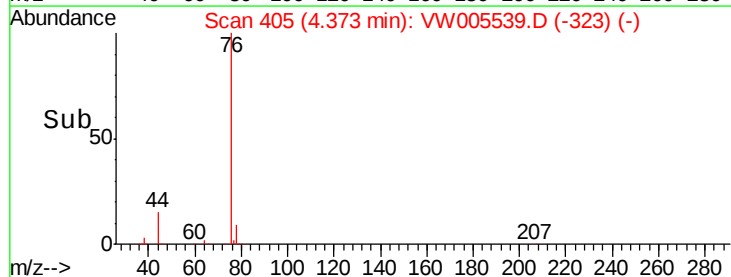
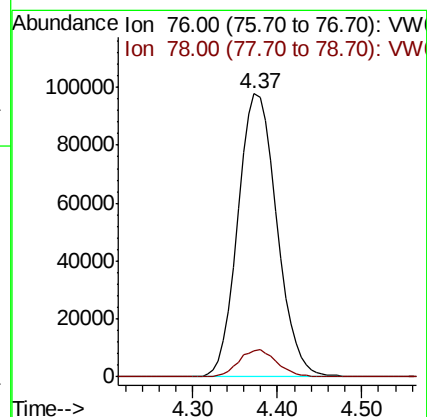
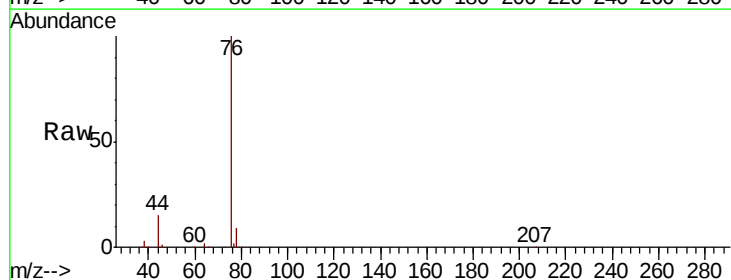
Acq: 20 Sep 2018 18:02

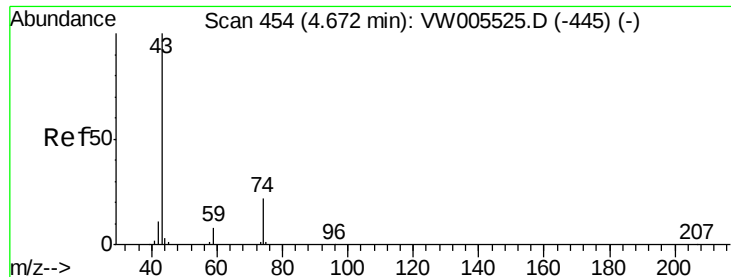
Tgt Ion: 76 Resp: 307638

Ion Ratio Lower Upper

76 100

78 9.1 6.7 10.1

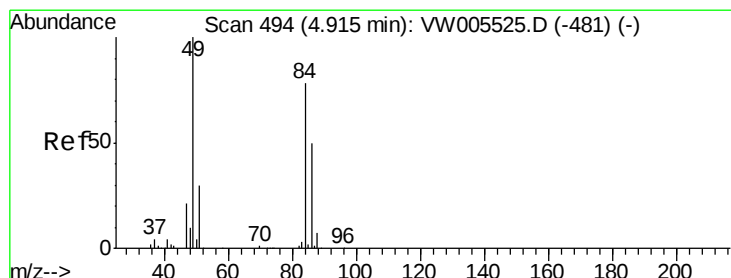
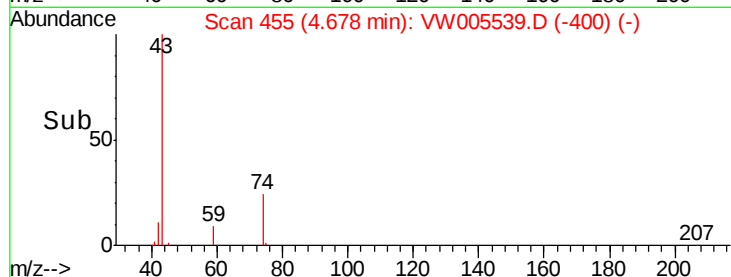
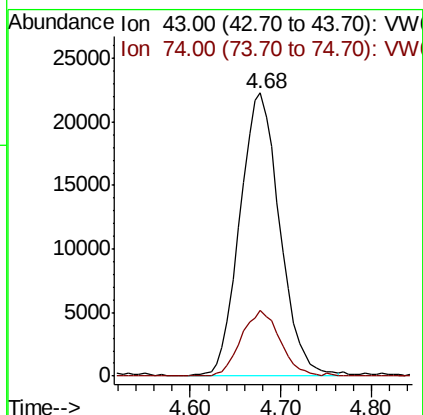
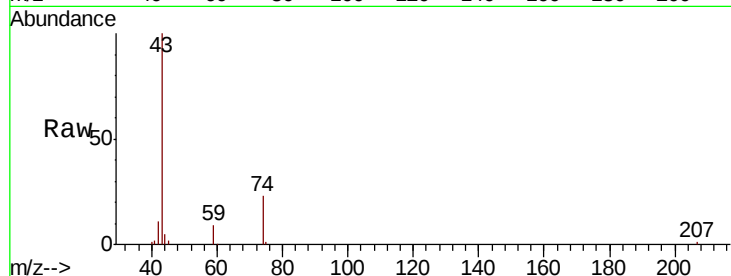




#15
Methyl Acetate
Concen: 23.993 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

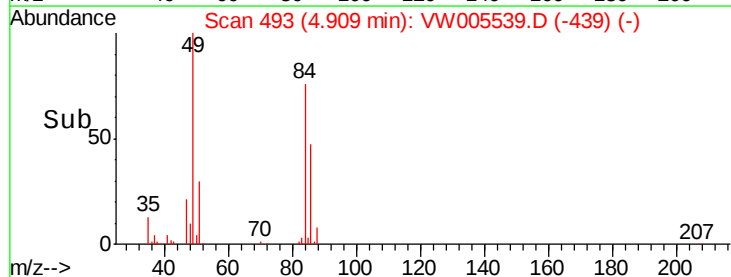
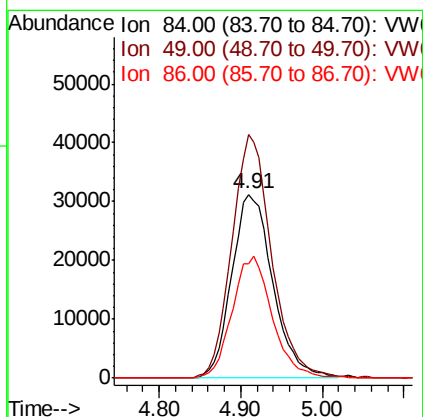
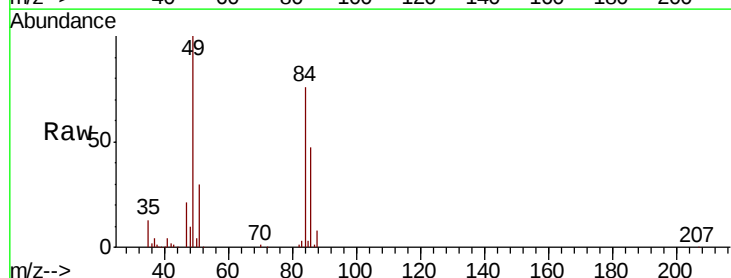
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

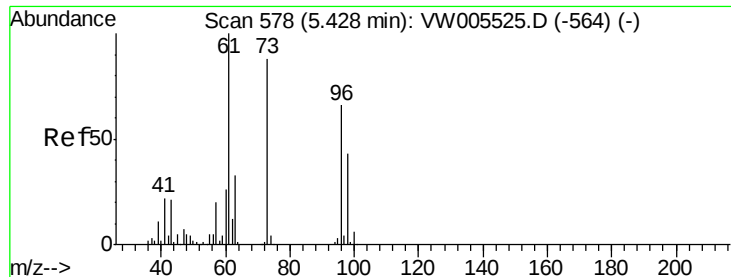
Tgt Ion: 43 Resp: 67411
Ion Ratio Lower Upper
43 100
74 22.7 17.3 25.9



#16
Methylene chloride
Concen: 20.693 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

Tgt Ion: 84 Resp: 109506
Ion Ratio Lower Upper
84 100
49 132.4 91.5 169.9
86 62.3 44.8 83.2

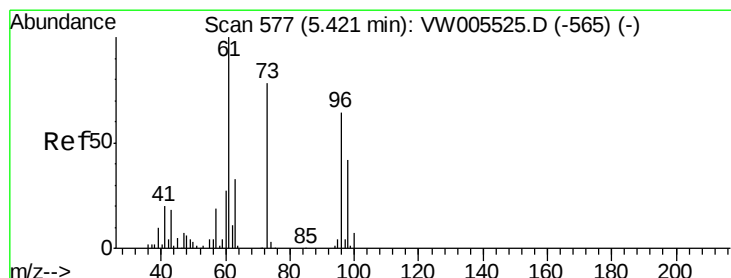
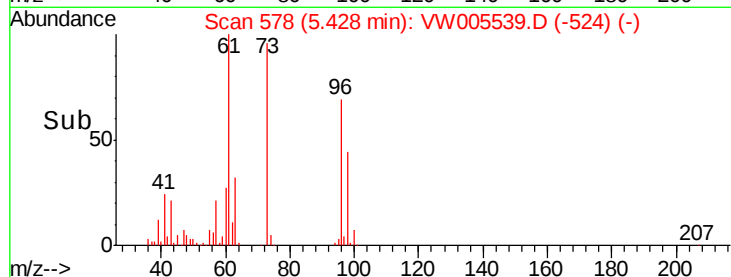
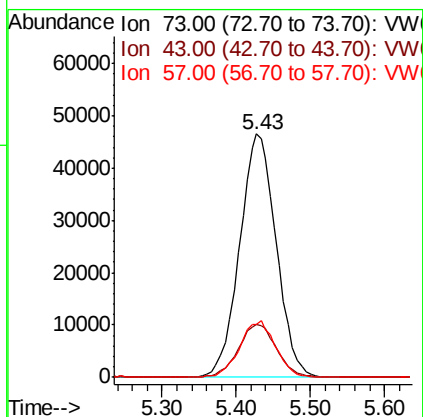
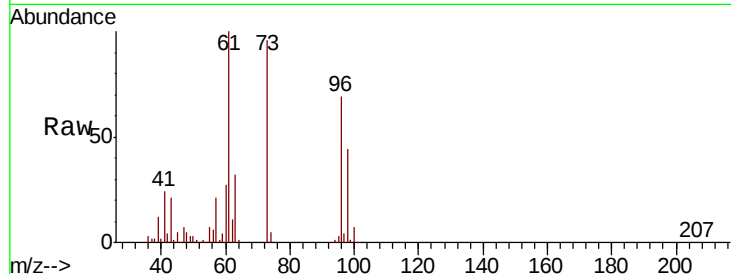




#17
Methyl tert-butyl Ether
Concen: 25.065 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

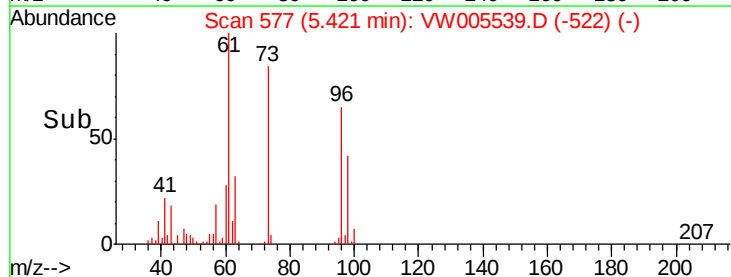
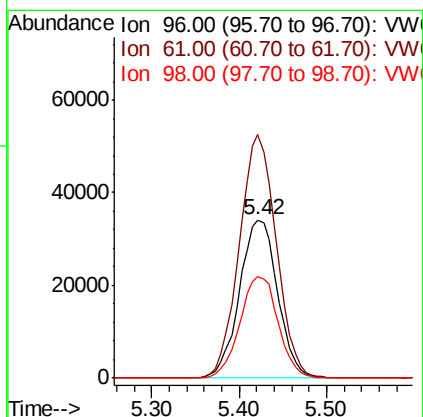
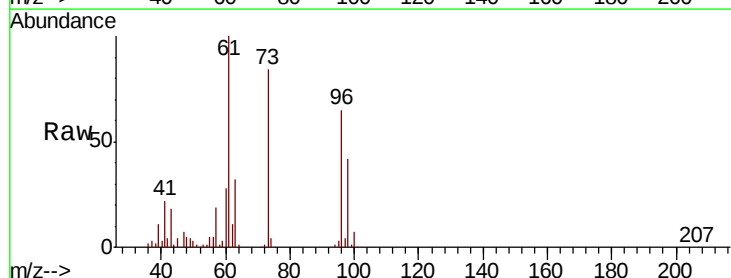
Instrument :
MSVOA_W
ClientSampled :
VSTD02581

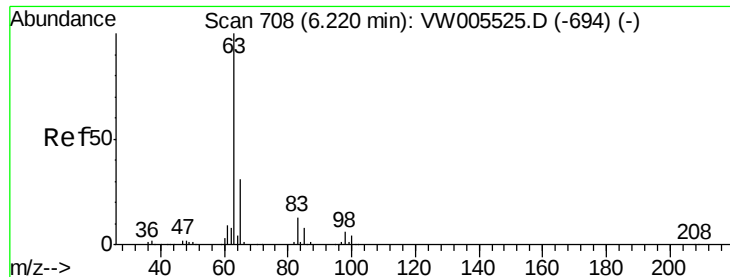
Tgt Ion: 73 Resp: 159566
Ion Ratio Lower Upper
73 100
43 22.8 17.6 26.4
57 22.9 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 24.500 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

Tgt Ion: 96 Resp: 103200
Ion Ratio Lower Upper
96 100
61 153.7 105.4 195.8
98 64.1 44.1 81.9

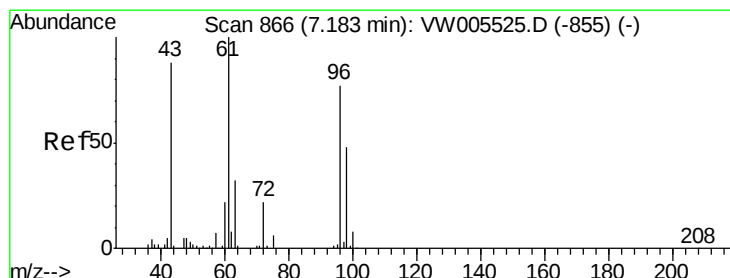
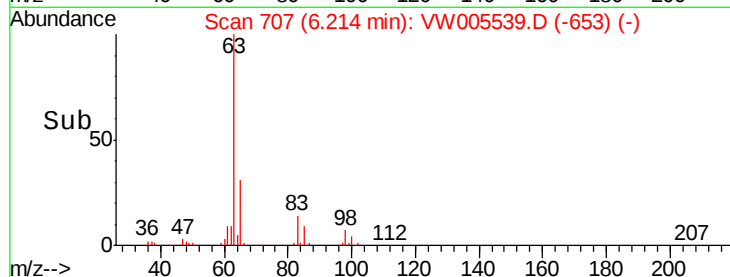
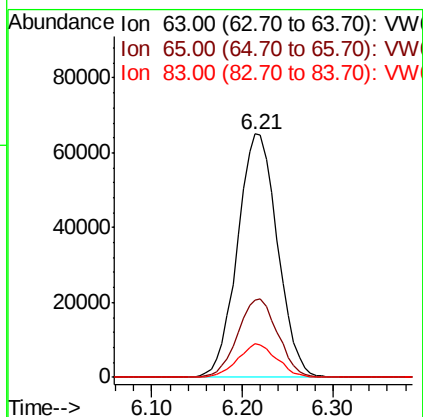
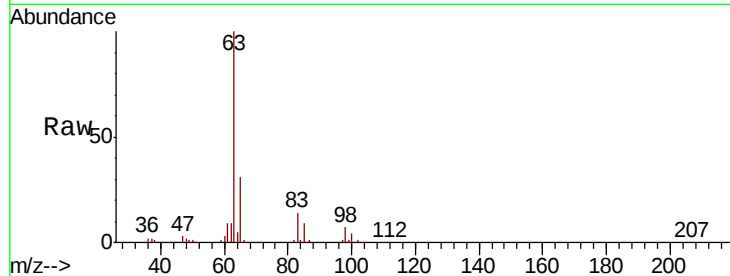




#19
 1,1-Dichloroethane
 Concen: 24.732 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

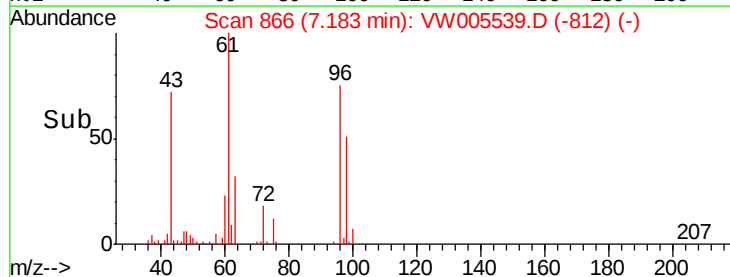
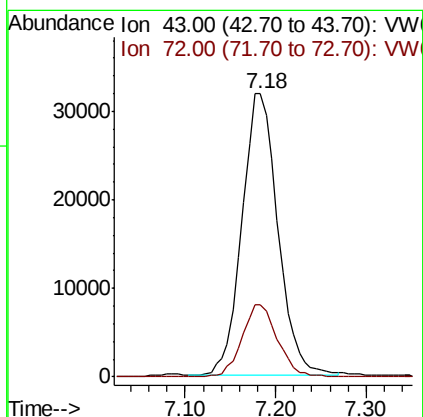
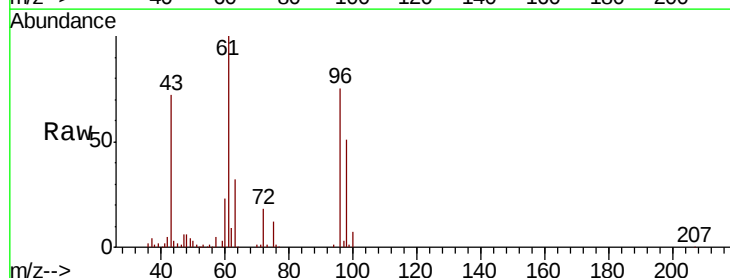
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

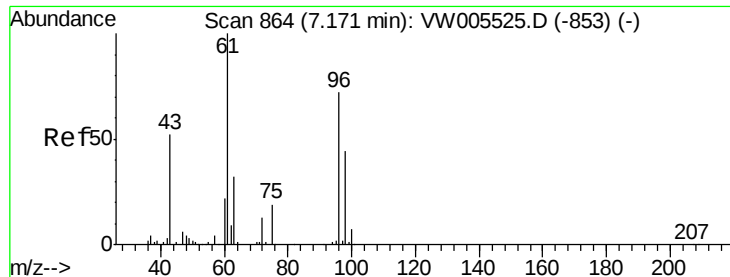
Tgt Ion: 63 Resp: 198730
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.4 39.8
 83 13.8 8.9 16.5



#21
 2-Butanone
 Concen: 44.210 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

Tgt Ion: 43 Resp: 87236
 Ion Ratio Lower Upper
 43 100
 72 25.3 12.6 37.6



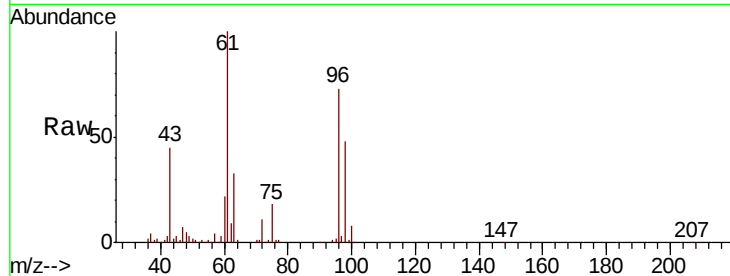


#22

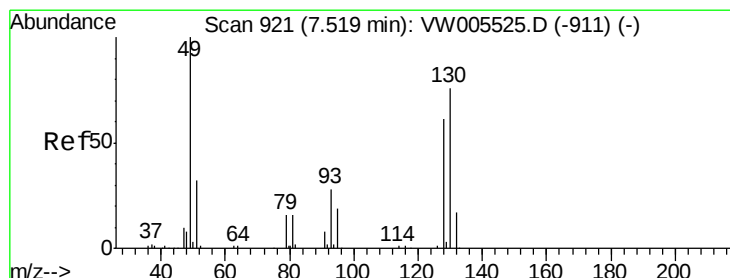
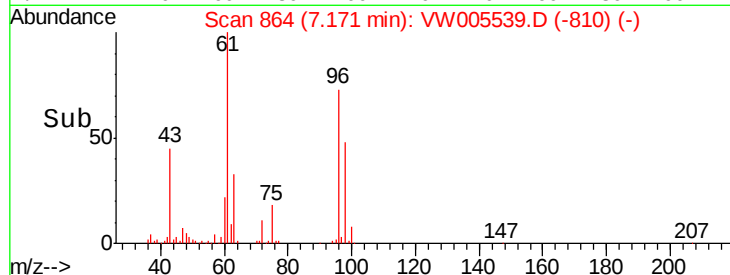
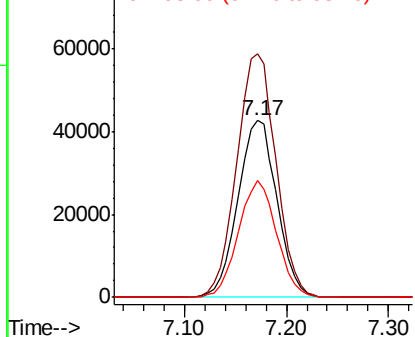
cis-1,2-Dichloroethene
Concen: 24.824 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

Tgt Ion: 96 Resp: 113407
Ion Ratio Lower Upper
96 100
61 137.7 96.5 179.1
98 66.4 44.1 81.9



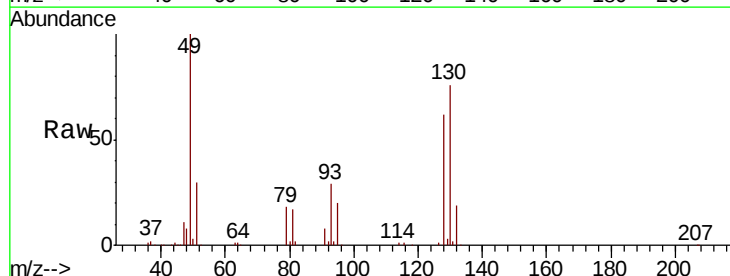
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



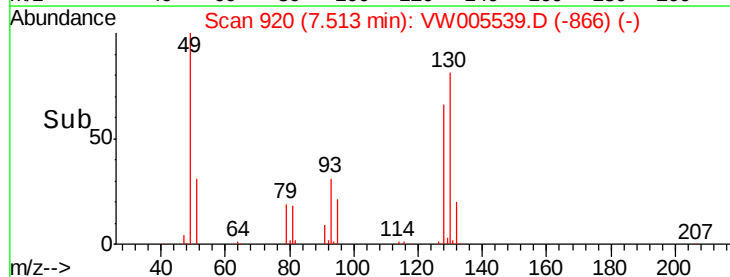
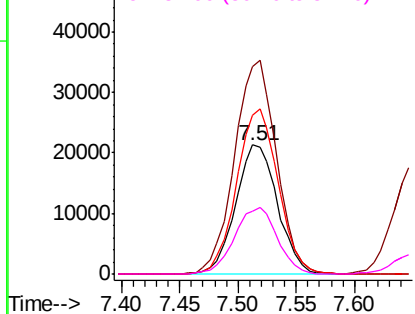
#23

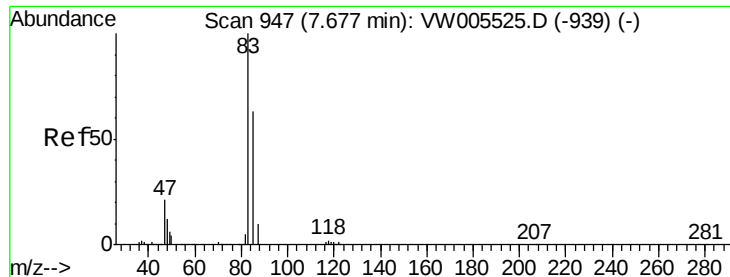
Bromochloromethane
Concen: 26.283 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

Tgt Ion: 128 Resp: 53391
Ion Ratio Lower Upper
128 100
49 161.1 122.0 226.6
130 122.6 89.9 167.0
51 49.0 45.0 67.4



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

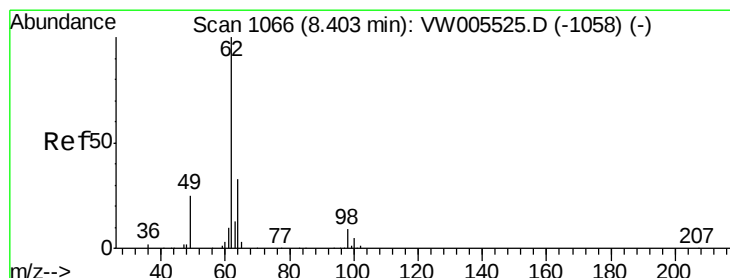
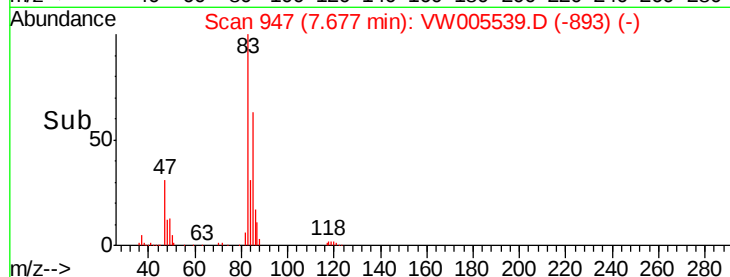
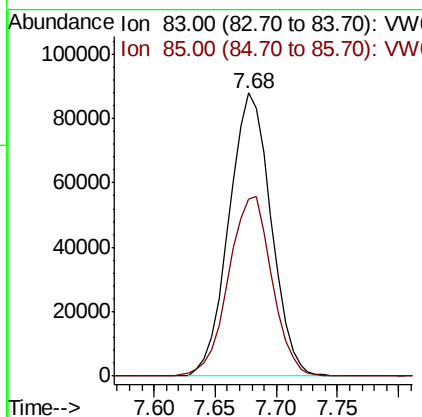
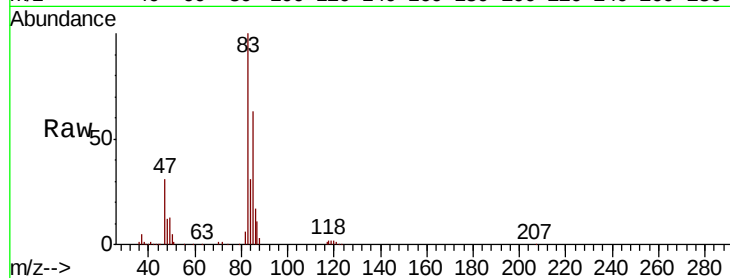




#25
Chloroform
Concen: 25.933 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

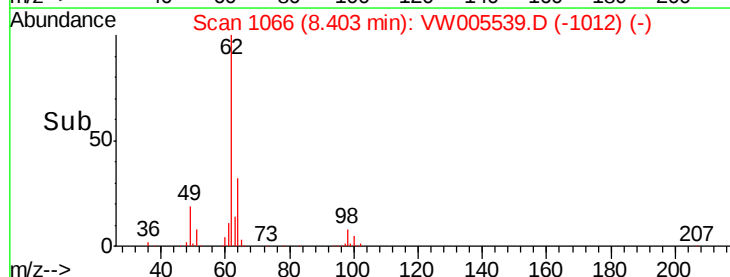
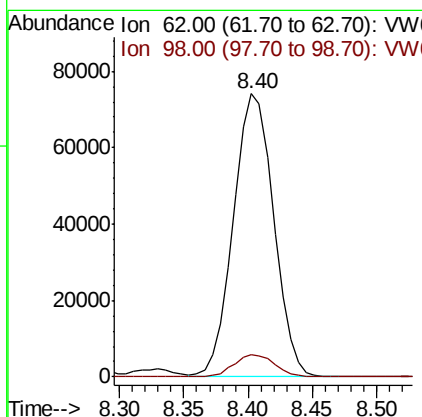
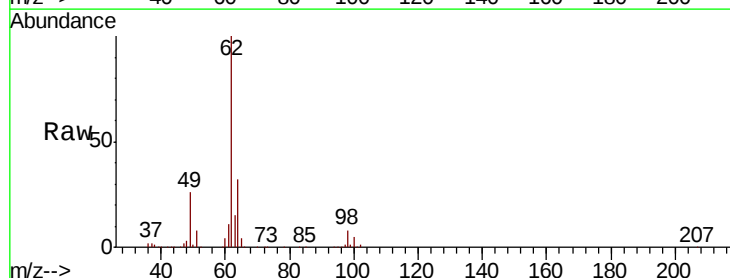
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

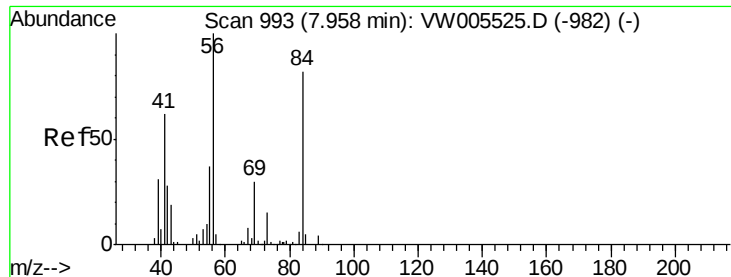
Tgt Ion: 83 Resp: 210348
Ion Ratio Lower Upper
83 100
85 65.3 46.0 85.4



#27
1,2-Dichloroethane
Concen: 26.963 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

Tgt Ion: 62 Resp: 161373
Ion Ratio Lower Upper
62 100
98 8.0 6.8 10.2

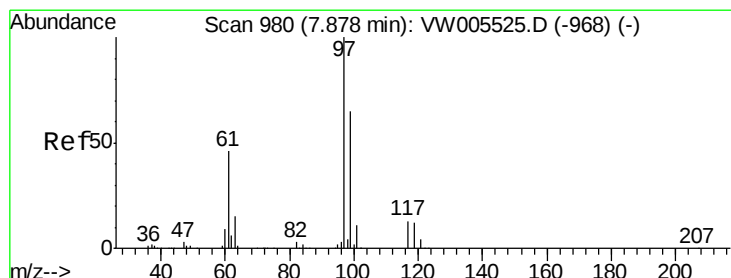
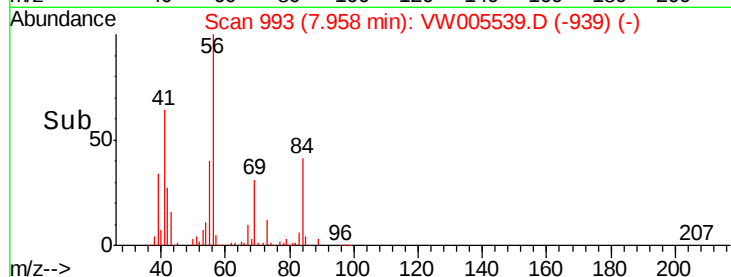
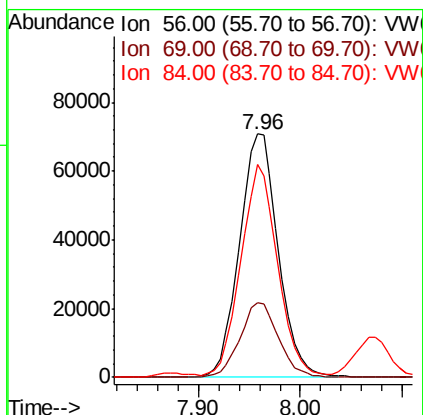
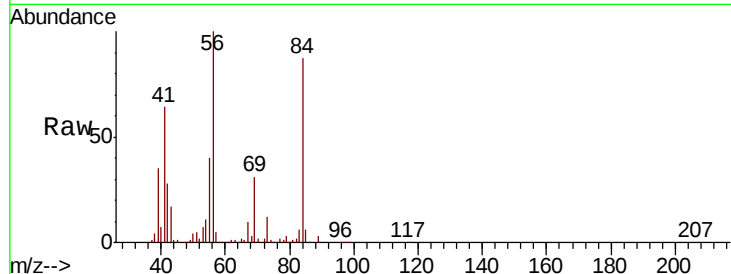




#30
Cyclohexane
Concen: 23.670 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

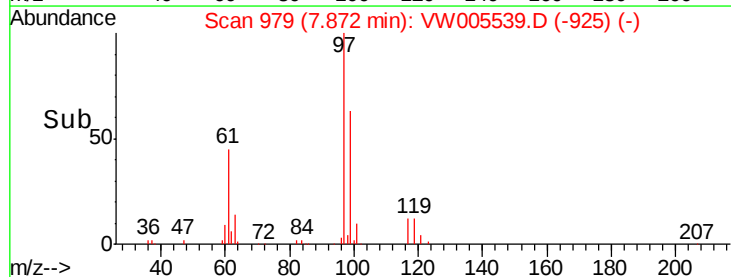
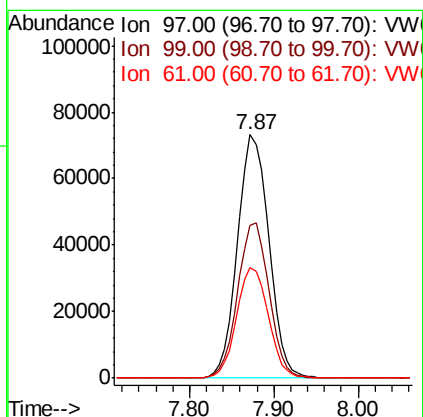
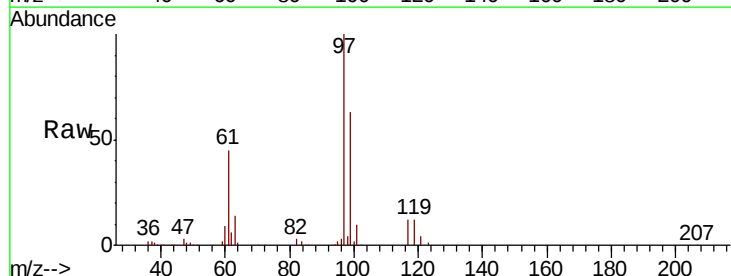
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

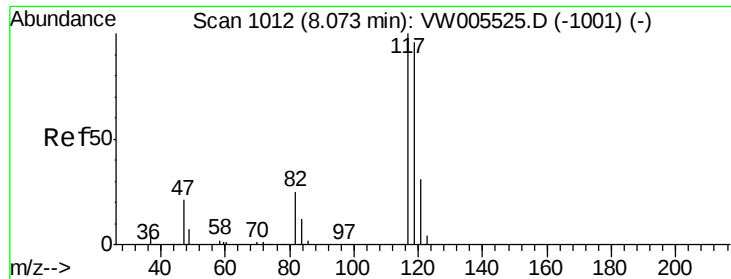
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.6	35.4
84	83.4	64.6	96.8



#31
1,1,1-Trichloroethane
Concen: 26.744 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	45.9	37.0	55.4





#32

Carbon tetrachloride

Concen: 27.187 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

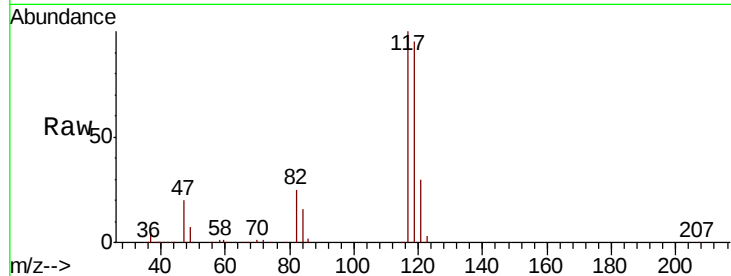
VSTD02581

Tgt Ion:117 Resp: 179099

Ion Ratio Lower Upper

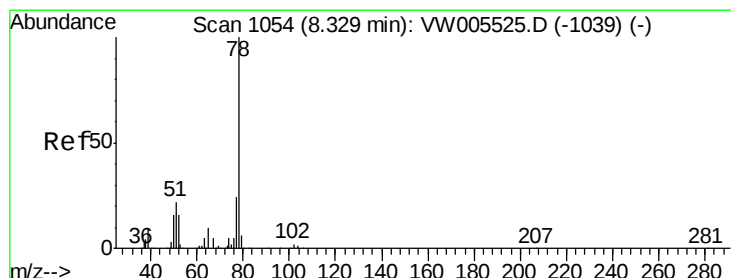
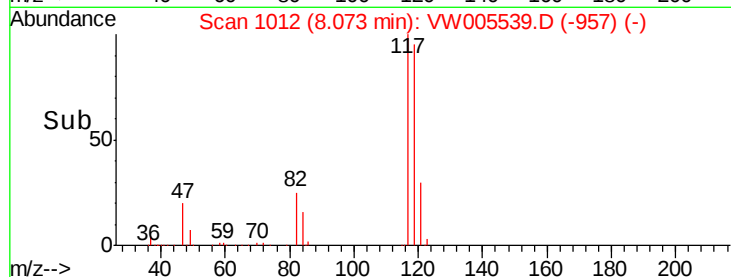
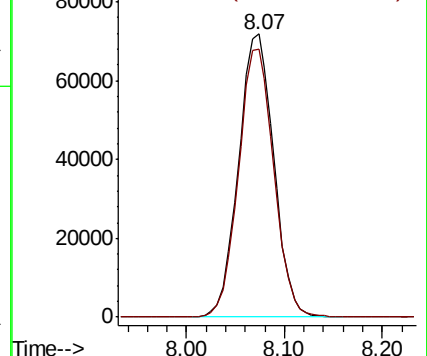
117 100

119 95.2 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.700 ug/L

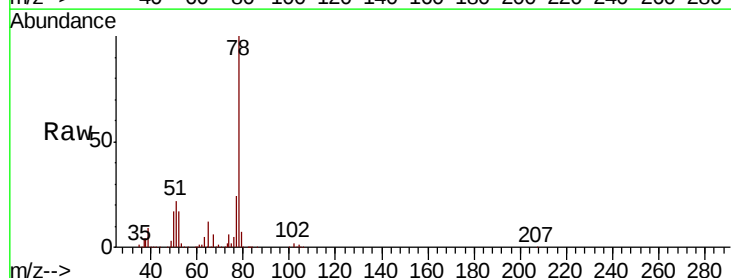
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

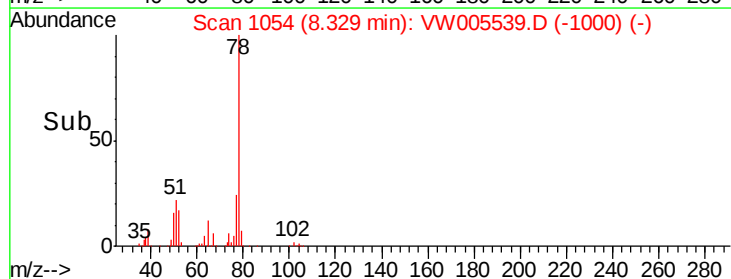
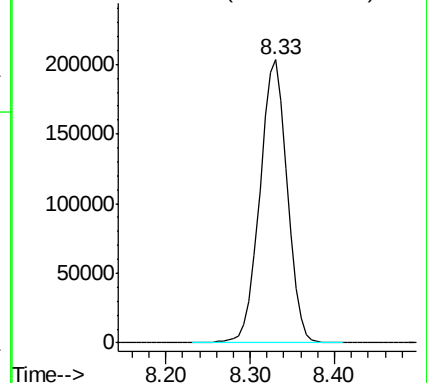
Lab File: VW005539.D

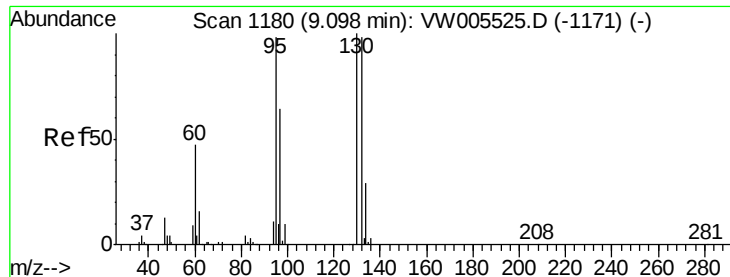
Acq: 20 Sep 2018 18:02

Tgt Ion: 78 Resp: 451301



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.500 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

Tgt Ion: 95 Resp: 115782

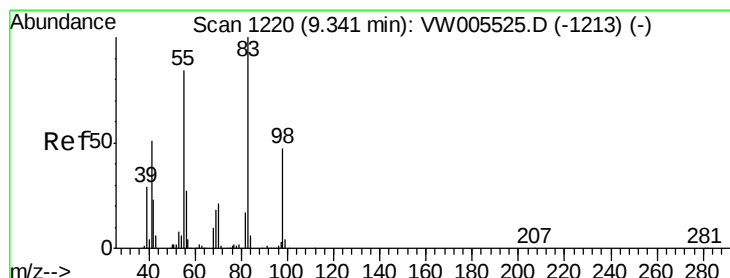
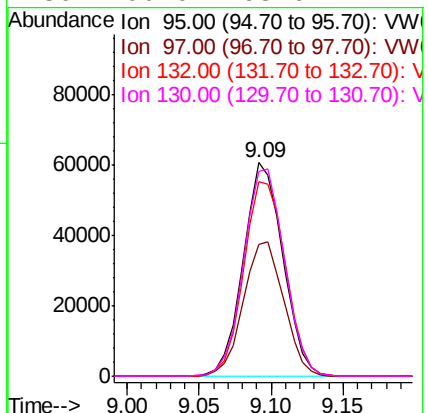
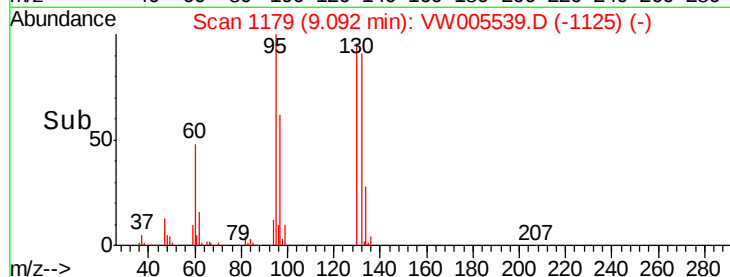
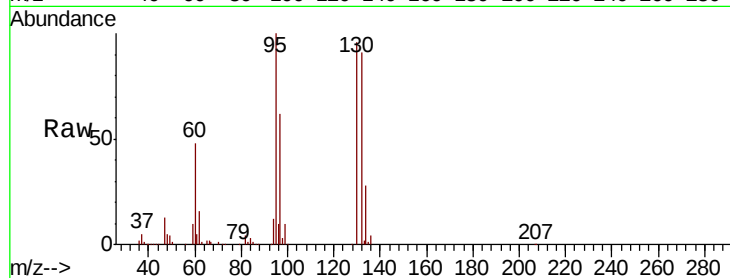
Ion Ratio Lower Upper

95 100

97 64.5 45.0 83.6

132 96.0 66.4 123.2

130 100.0 68.6 127.4



#36

Methylcyclohexane

Concen: 24.858 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

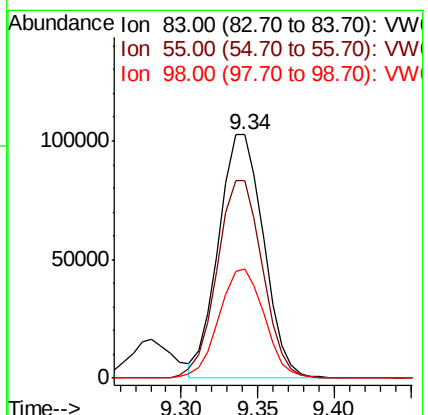
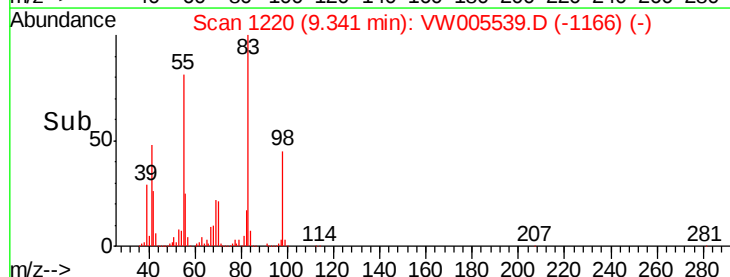
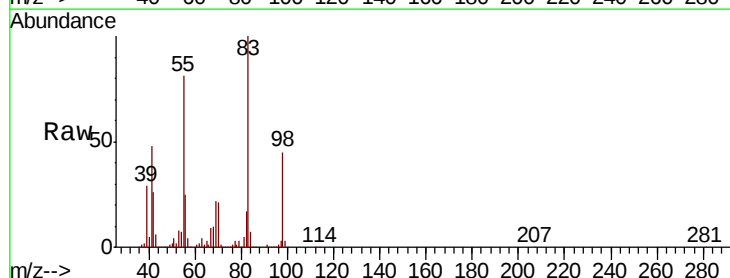
Tgt Ion: 83 Resp: 210579

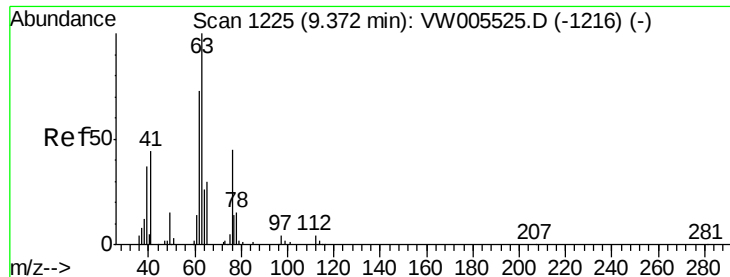
Ion Ratio Lower Upper

83 100

55 81.8 66.4 99.6

98 45.4 36.3 54.5

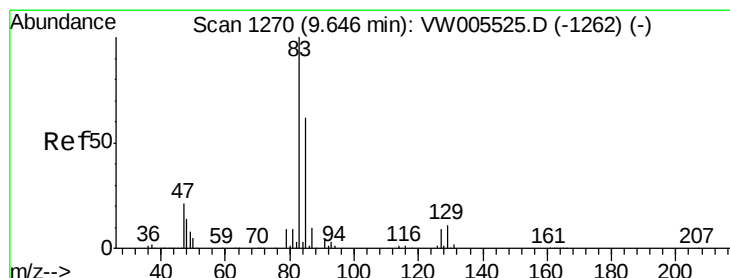
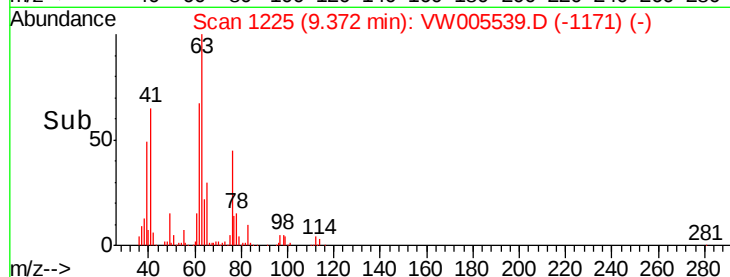
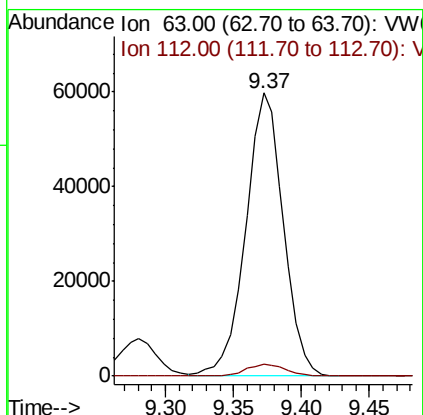
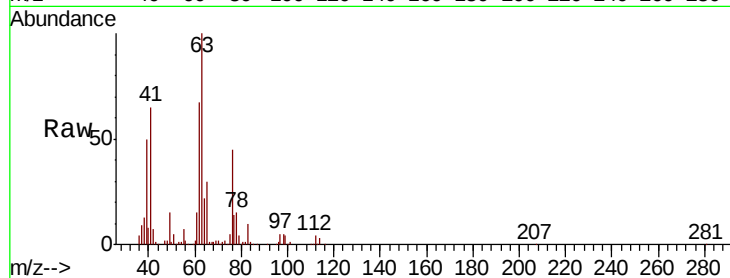




#40
 1,2-Dichloropropane
 Concen: 24.395 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

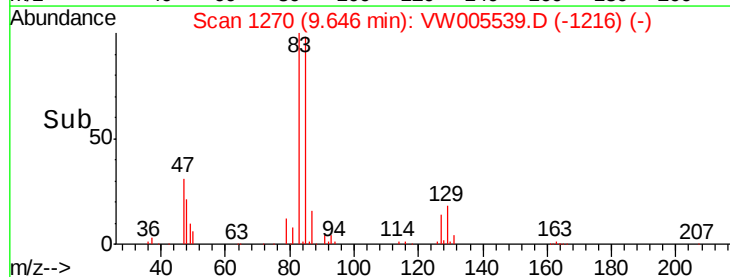
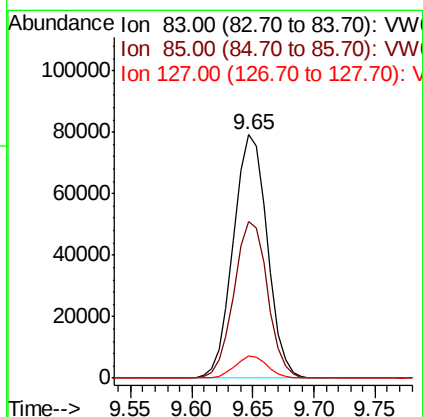
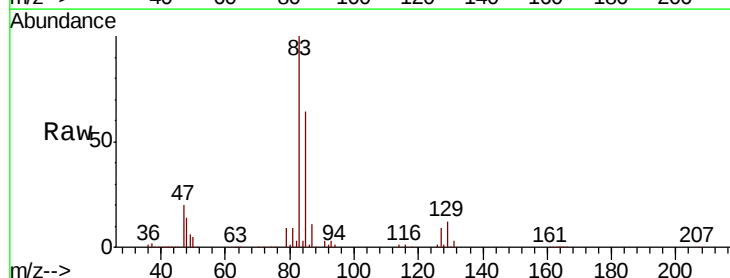
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

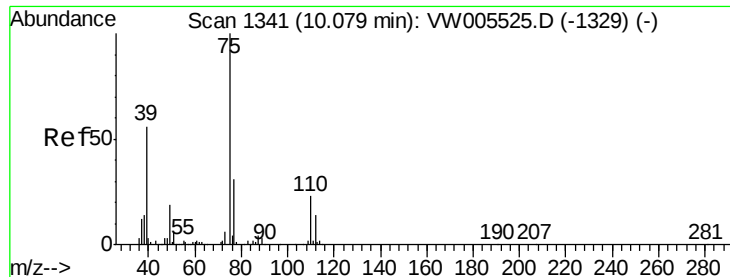
Tgt Ion: 63 Resp: 115730
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#41
 Bromodichloromethane
 Concen: 26.033 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

Tgt Ion: 83 Resp: 152273
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.0 80.0
 127 9.0 6.8 10.2





#42

cis-1,3-Dichloropropene

Concen: 25.342 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampled :

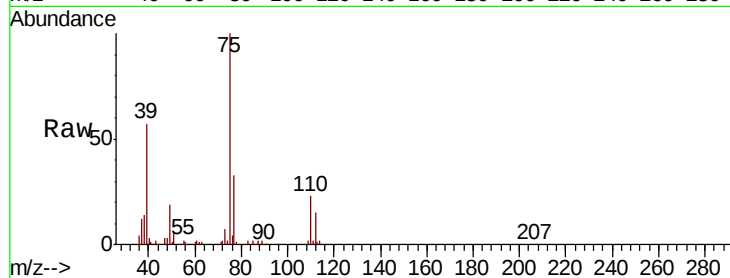
VSTD02581

Tgt Ion: 75 Resp: 176765

Ion Ratio Lower Upper

75 100

77 32.8 21.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.08

80000

60000

40000

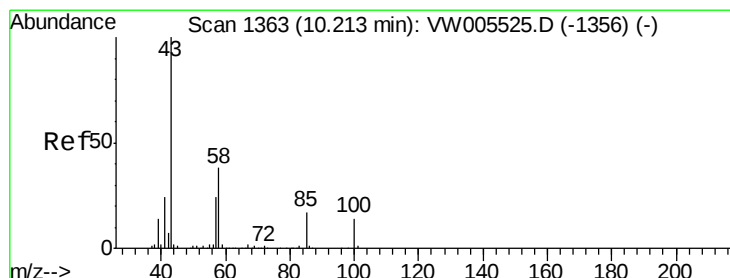
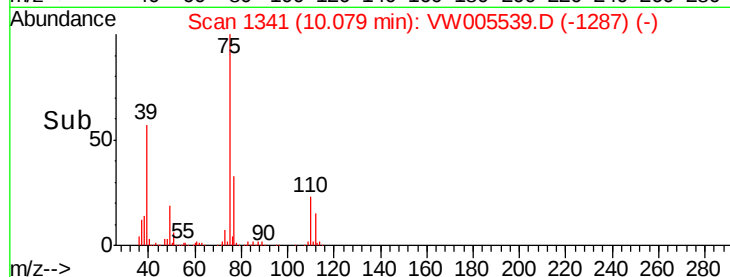
20000

0

10.00

10.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 50.910 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

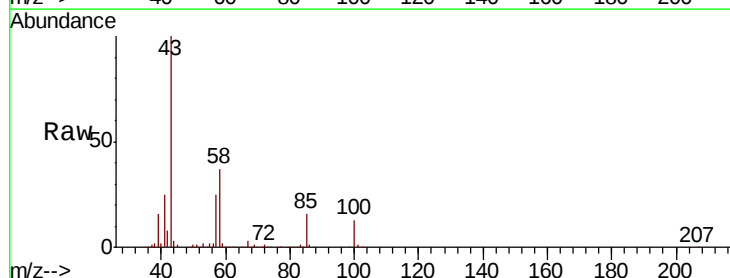
Tgt Ion: 43 Resp: 193723

Ion Ratio Lower Upper

43 100

58 36.9 29.2 43.8

100 13.7 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

150000

100000

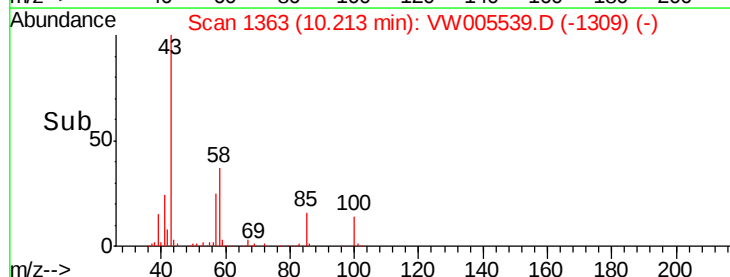
50000

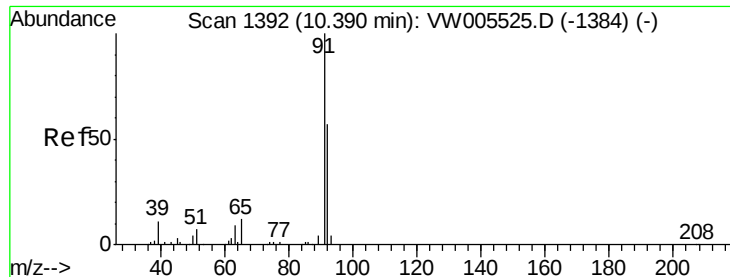
0

10.20

10.30

Time-->





#44

Toluene

Concen: 25.588 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

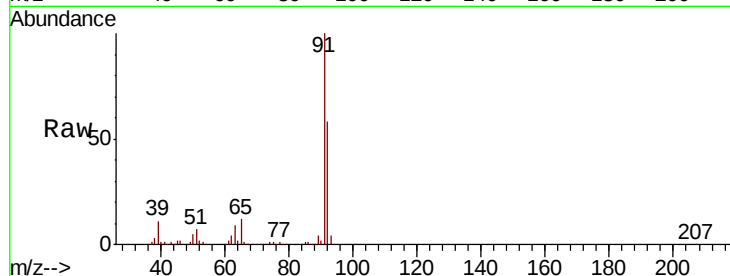
VSTD02581

Tgt Ion: 91 Resp: 483447

Ion Ratio Lower Upper

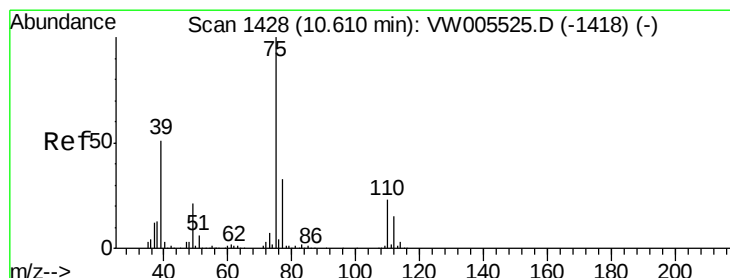
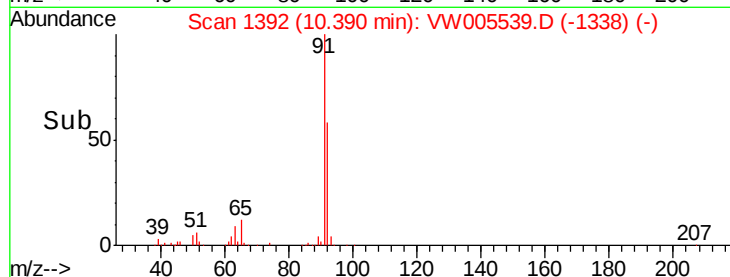
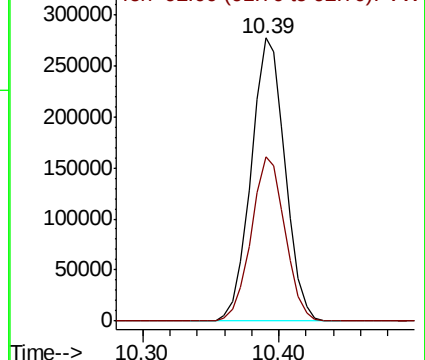
91 100

92 57.9 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 26.068 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005539.D

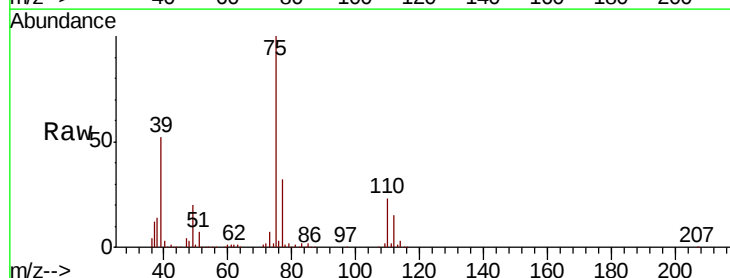
Acq: 20 Sep 2018 18:02

Tgt Ion: 75 Resp: 166010

Ion Ratio Lower Upper

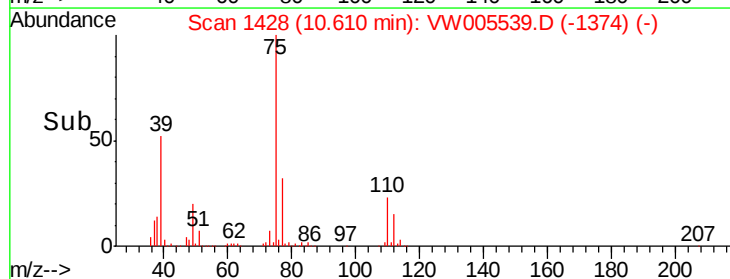
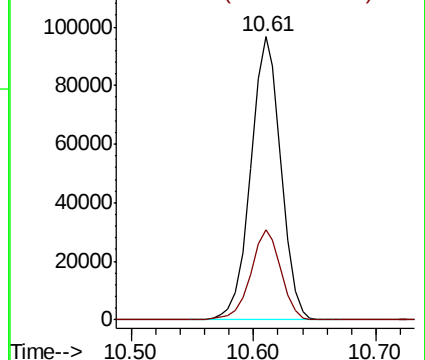
75 100

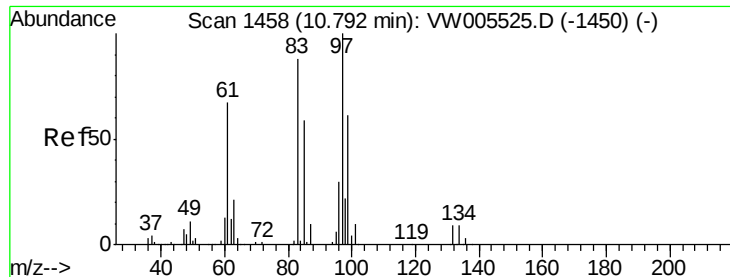
77 31.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 25.550 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

Tgt Ion: 97 Resp: 89852

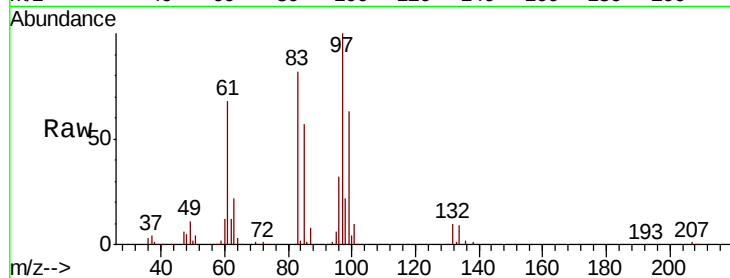
Ion Ratio Lower Upper

97 100

83 82.4 59.5 110.5

85 57.1 38.4 71.2

99 63.0 44.5 82.7



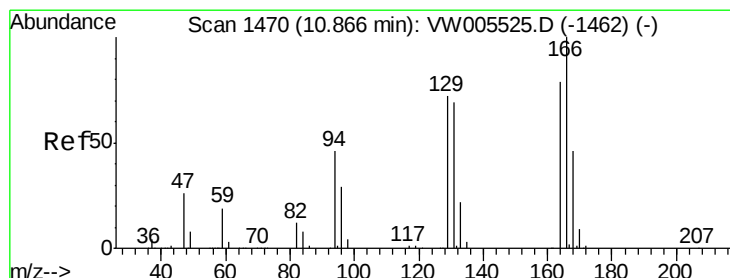
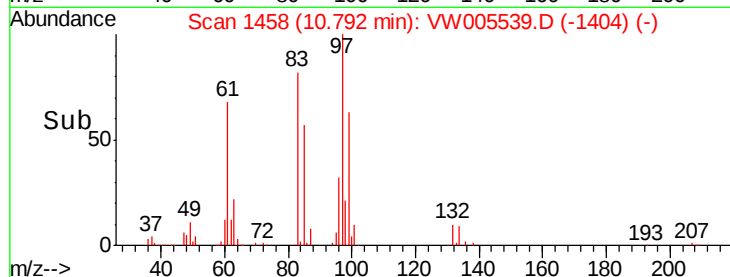
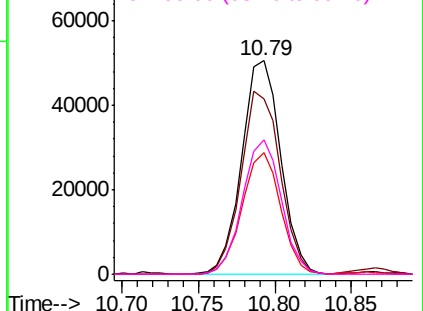
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.584 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Tgt Ion: 164 Resp: 98581

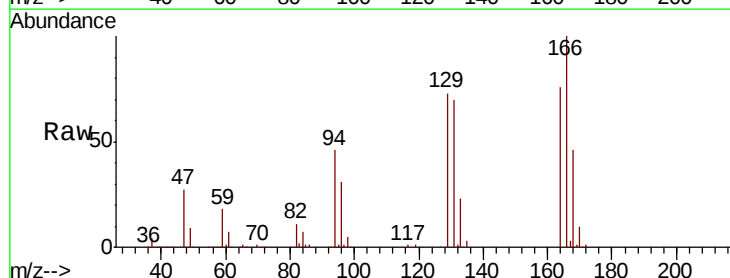
Ion Ratio Lower Upper

164 100

129 96.2 63.7 118.3

131 92.8 63.3 117.5

166 132.1 86.5 160.6



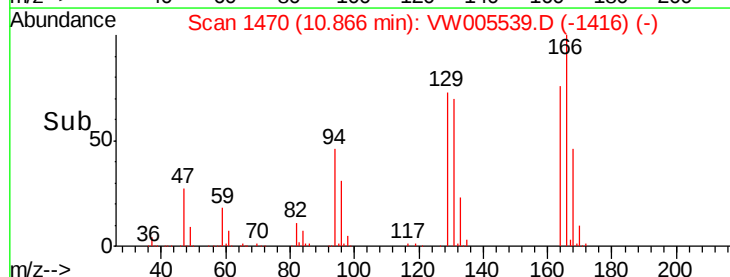
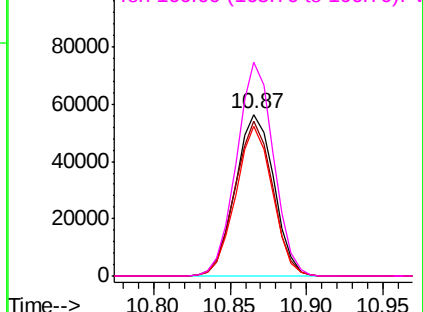
Abundance

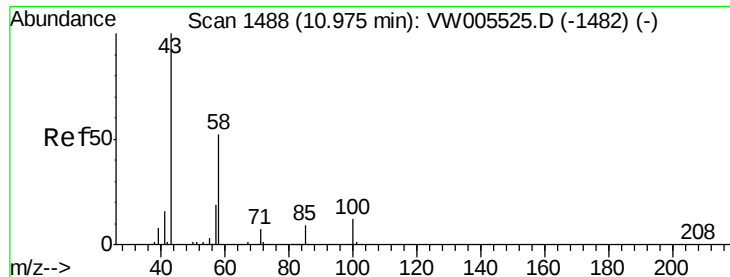
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

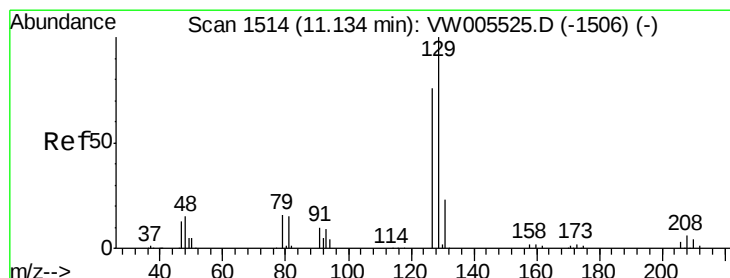
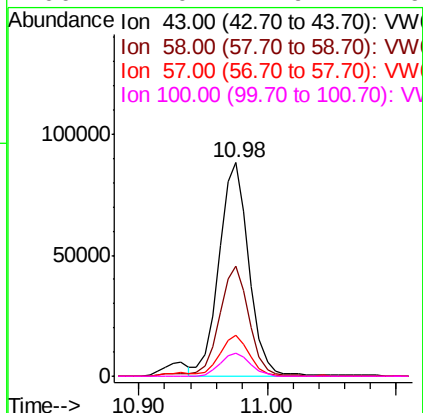
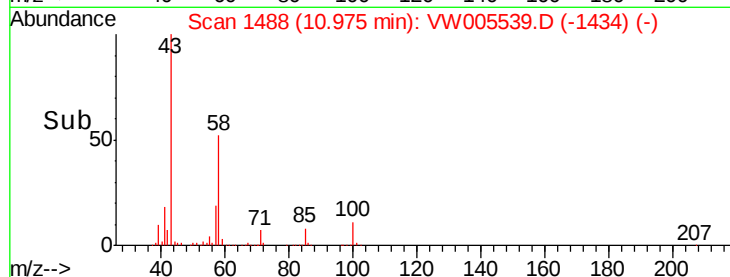
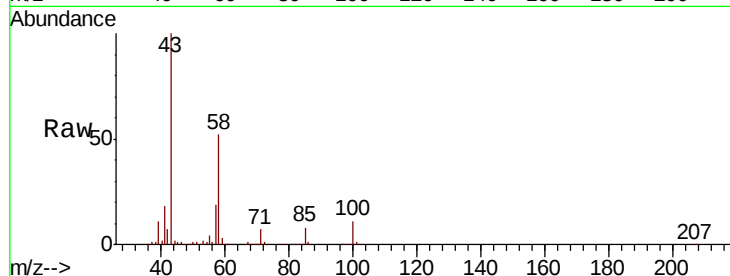




#49
2-Hexanone
Concen: 52.246 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

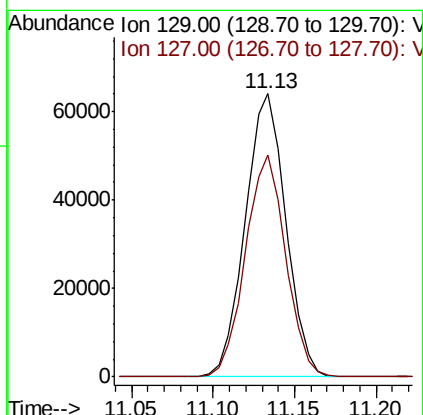
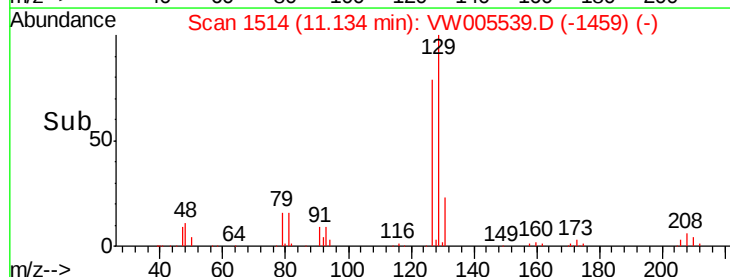
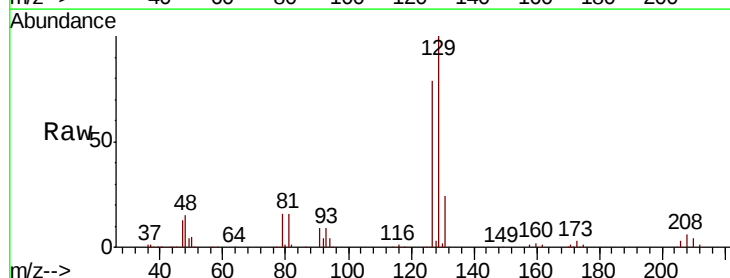
Instrument :
MSVOA_W
ClientSampleId :
VSTD02581

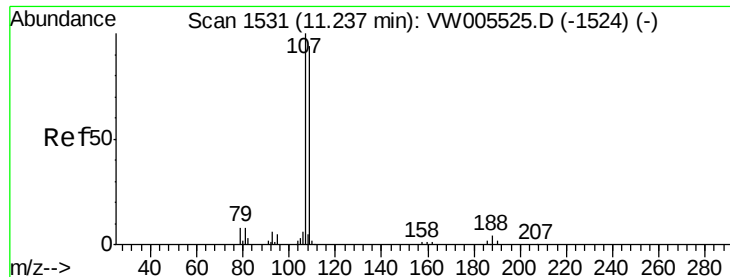
Tgt Ion: 43 Resp: 143656
Ion Ratio Lower Upper
43 100
58 50.4 40.1 60.1
57 18.9 14.1 21.1
100 11.0 7.9 11.9



#50
Dibromochloromethane
Concen: 26.853 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

Tgt Ion: 129 Resp: 111056
Ion Ratio Lower Upper
129 100
127 78.6 52.5 97.5

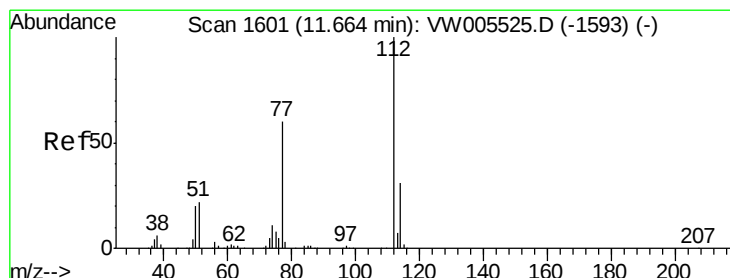
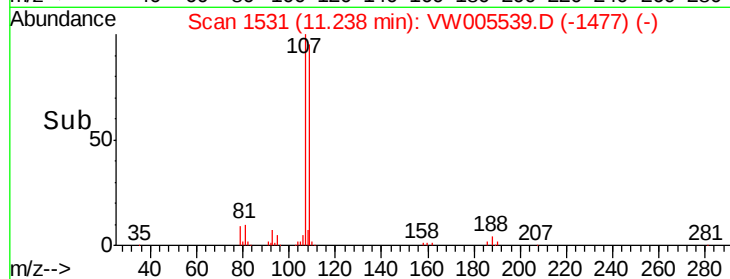
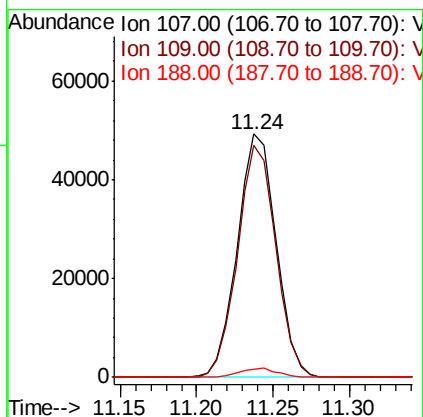
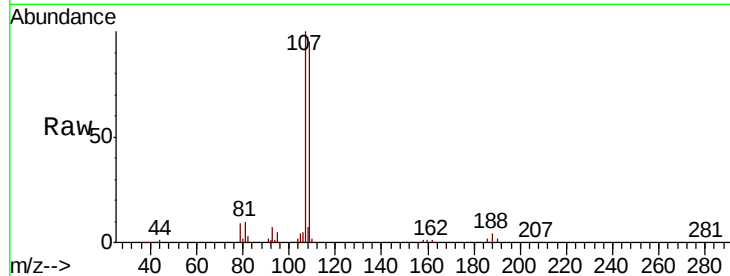




#51
 1,2-Dibromoethane
 Concen: 26.019 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

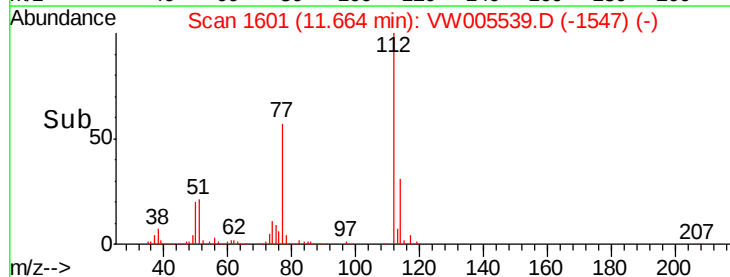
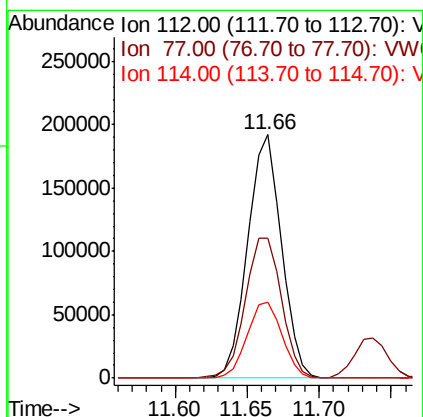
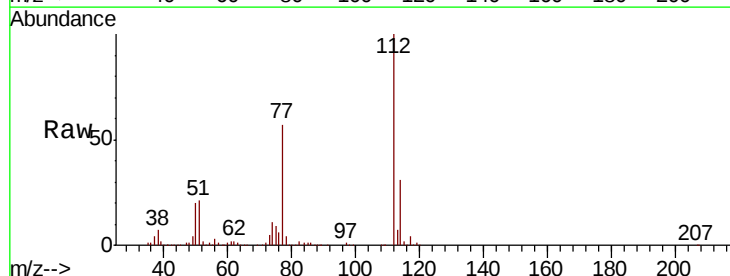
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

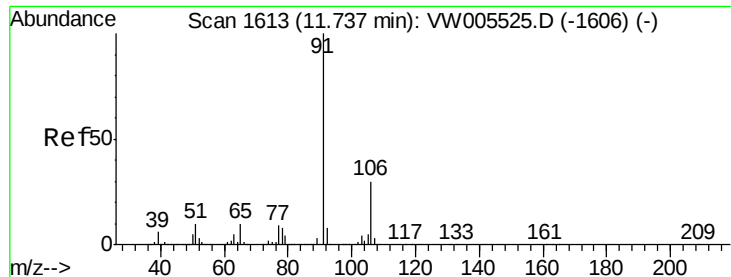
Tgt Ion:107 Resp: 86545
 Ion Ratio Lower Upper
 107 100
 109 95.3 65.4 121.4
 188 3.5 2.9 4.3



#52
 Chlorobenzene
 Concen: 25.366 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

Tgt Ion:112 Resp: 310540
 Ion Ratio Lower Upper
 112 100
 77 57.3 48.5 72.7
 114 31.1 22.5 41.7





#53

Ethylbenzene

Concen: 25.503 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

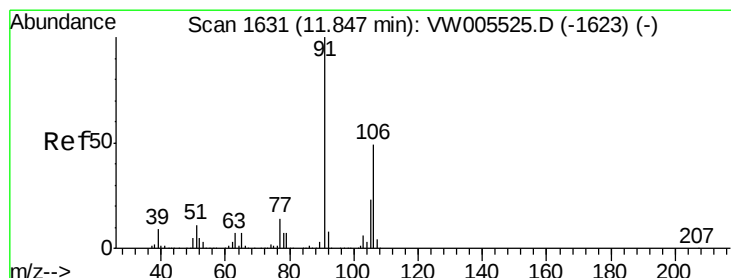
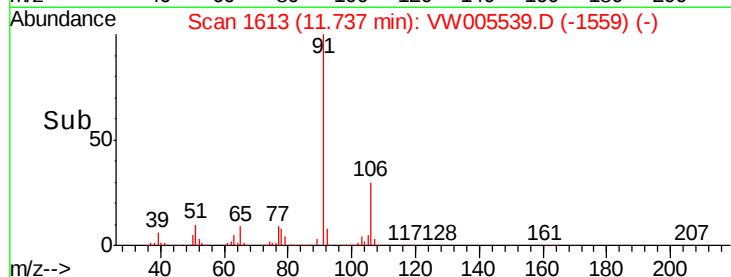
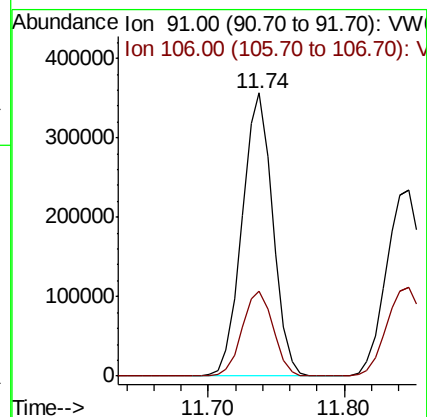
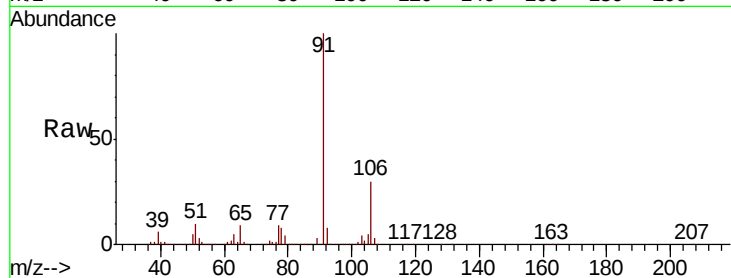
VSTD02581

Tgt Ion: 91 Resp: 559621

Ion Ratio Lower Upper

91 100

106 30.2 20.8 38.6



#54

m,p-Xylene

Concen: 26.195 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005539.D

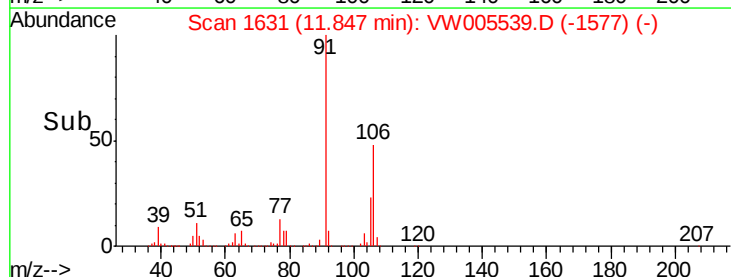
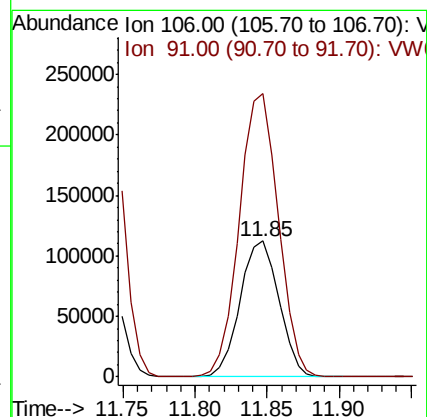
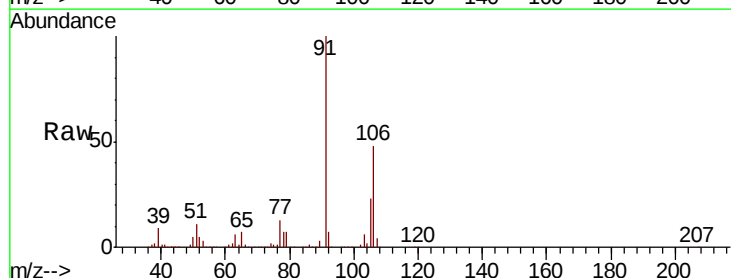
Acq: 20 Sep 2018 18:02

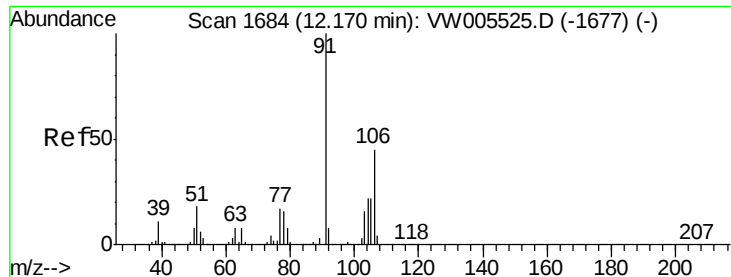
Tgt Ion: 106 Resp: 211035

Ion Ratio Lower Upper

106 100

91 208.4 144.6 268.6

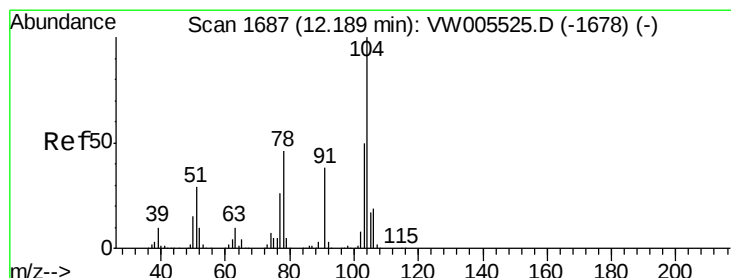
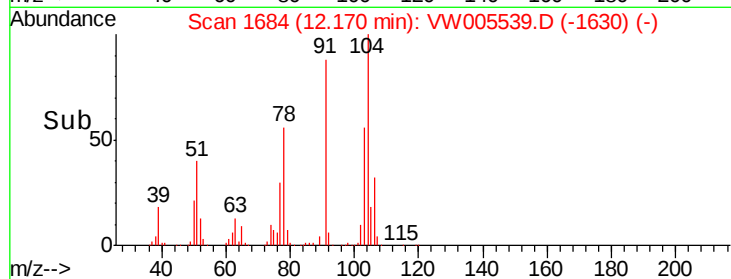
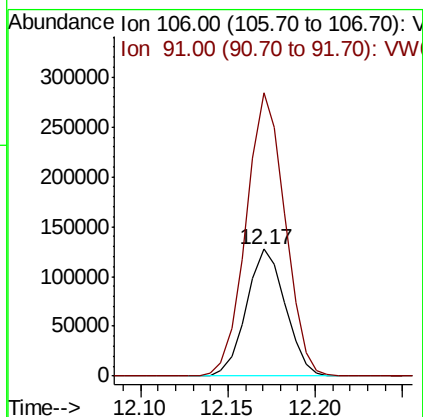
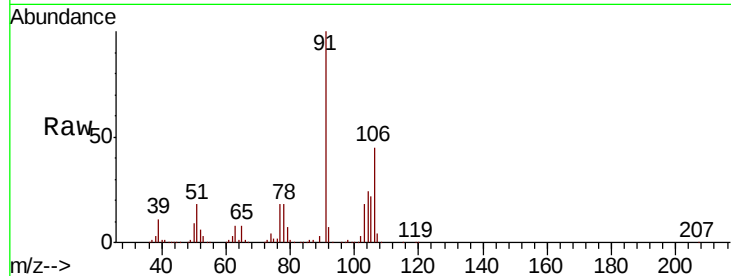




#55
o-xylene
Concen: 25.998 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

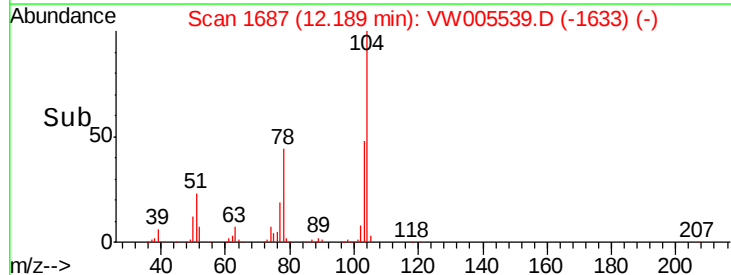
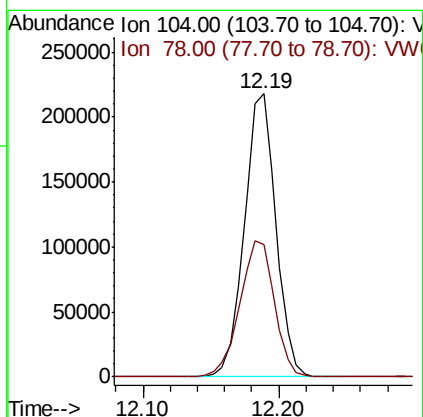
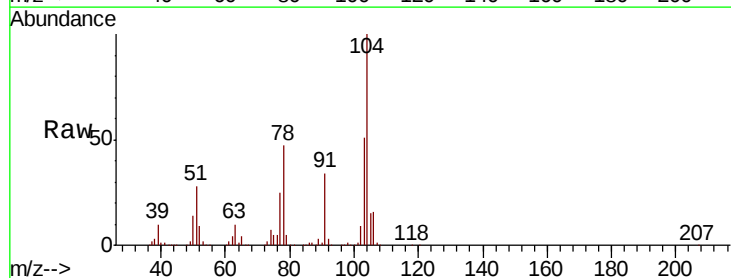
Instrument :
MSVOA_W
ClientSampled :
VSTD02581

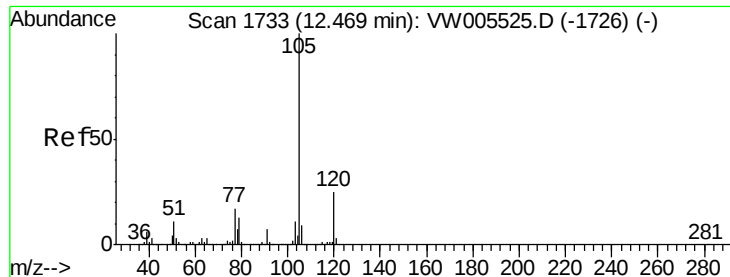
Tgt Ion:106 Resp: 198247
Ion Ratio Lower Upper
106 100
91 223.4 156.3 290.3



#56
Styrene
Concen: 26.927 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005539.D
Acq: 20 Sep 2018 18:02

Tgt Ion:104 Resp: 353237
Ion Ratio Lower Upper
104 100
78 46.7 32.6 60.6





#57

Isopropylbenzene

Concen: 26.562 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD02581

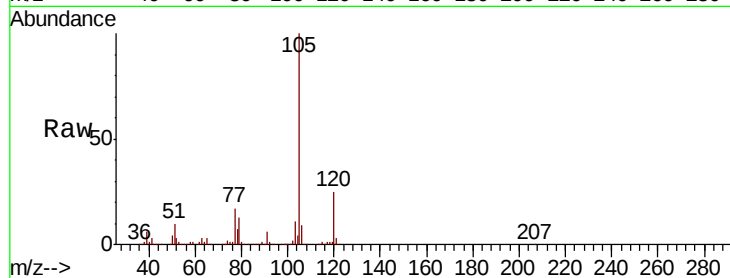
Tgt Ion: 105 Resp: 566961

Ion Ratio Lower Upper

105 100

120 25.8 20.4 30.6

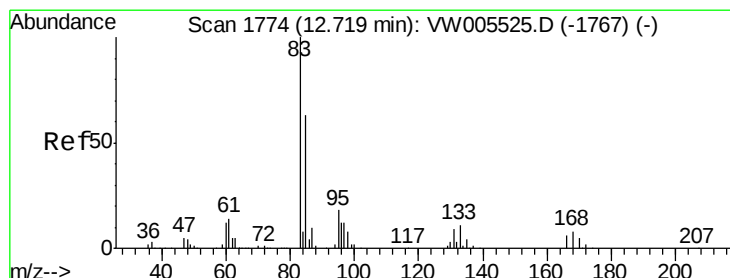
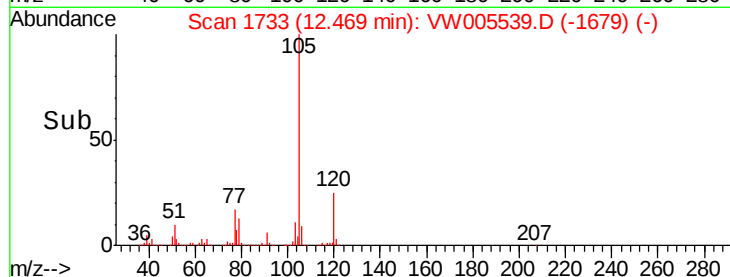
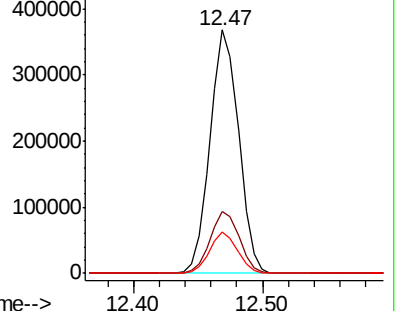
77 16.6 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.695 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

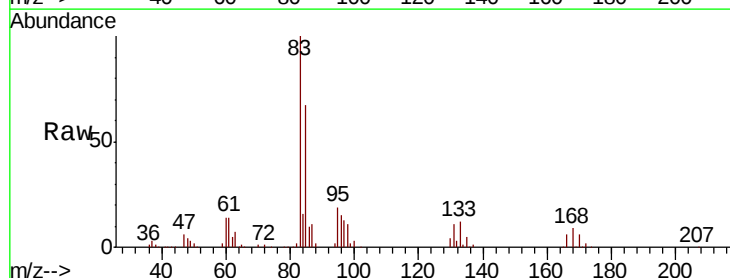
Tgt Ion: 83 Resp: 122884

Ion Ratio Lower Upper

83 100

85 66.8 43.9 81.5

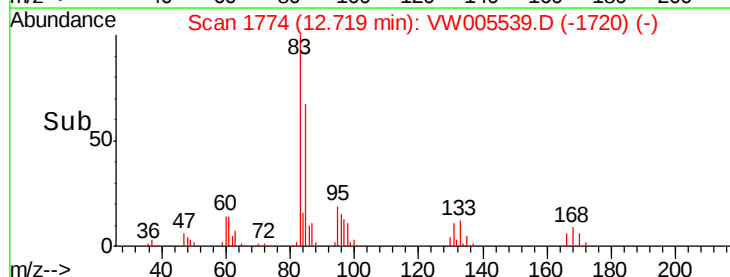
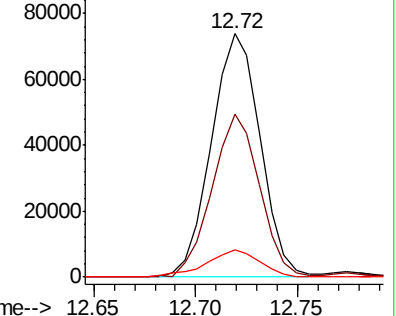
131 11.1 7.9 11.9

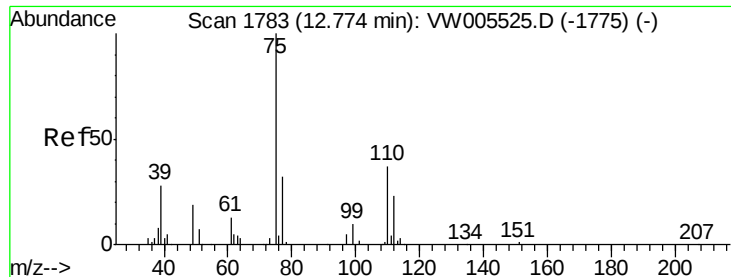


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.787 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampleId :

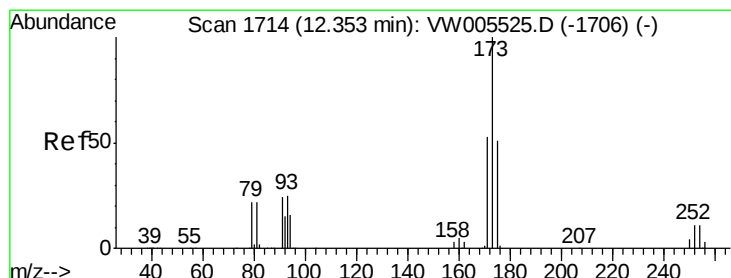
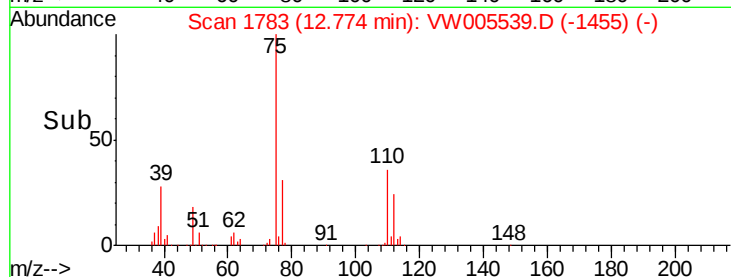
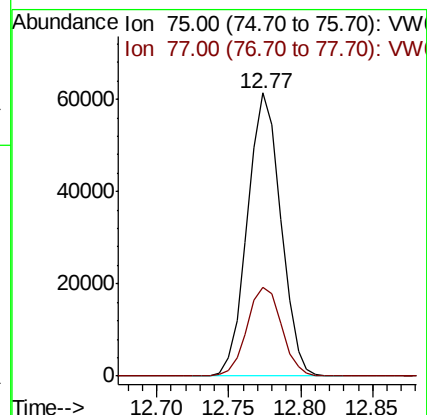
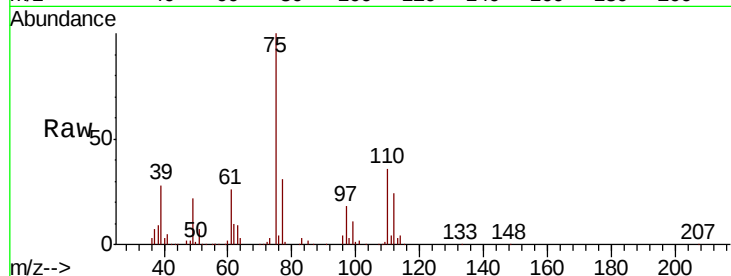
VSTD02581

Tgt Ion: 75 Resp: 98363

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



#62

Bromoform

Concen: 26.292 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

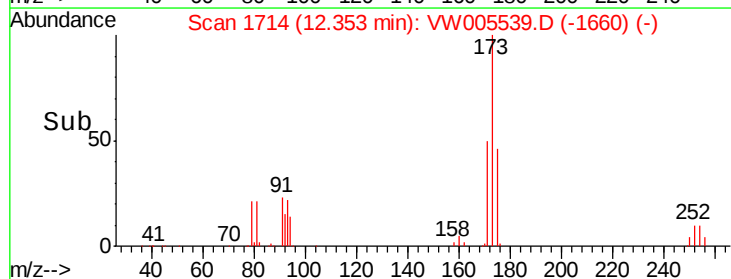
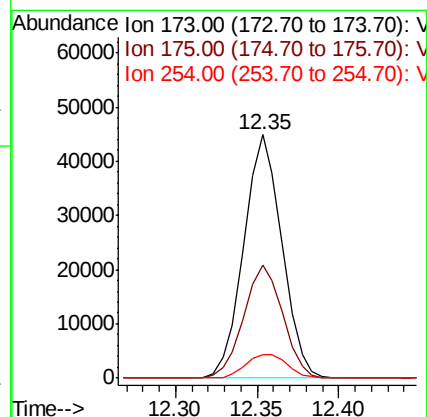
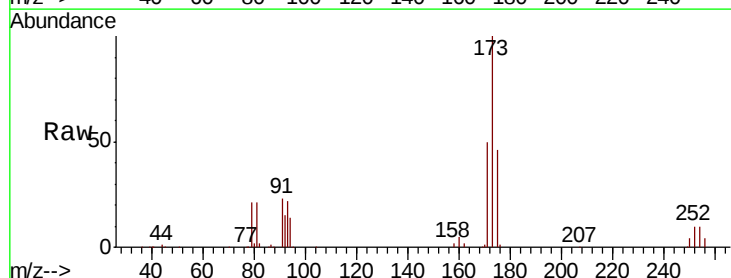
Tgt Ion: 173 Resp: 73196

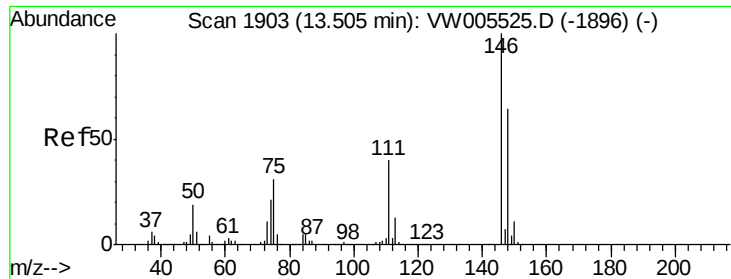
Ion Ratio Lower Upper

173 100

175 47.5 39.4 59.0

254 10.7 8.8 13.2

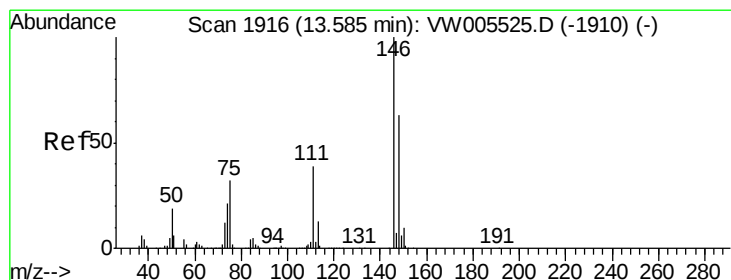
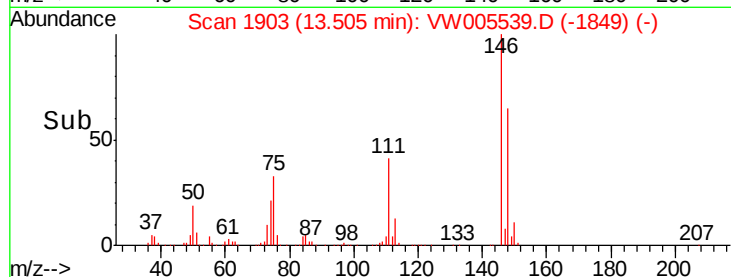
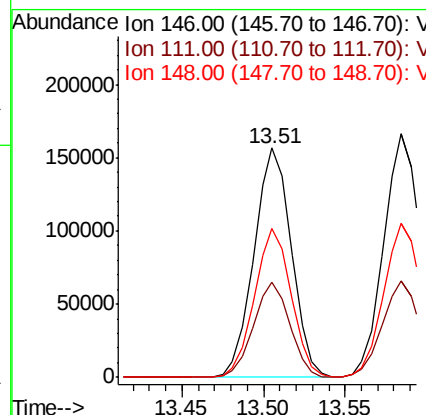
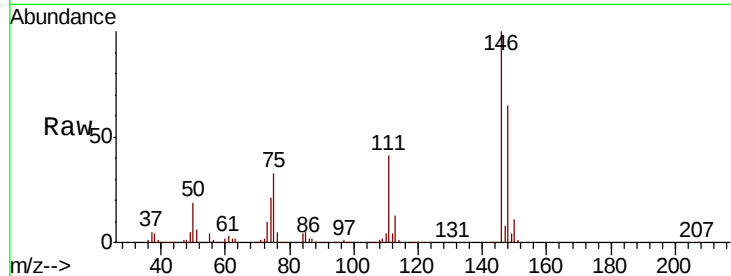




#63
 1,3-Dichlorobenzene
 Concen: 24.615 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

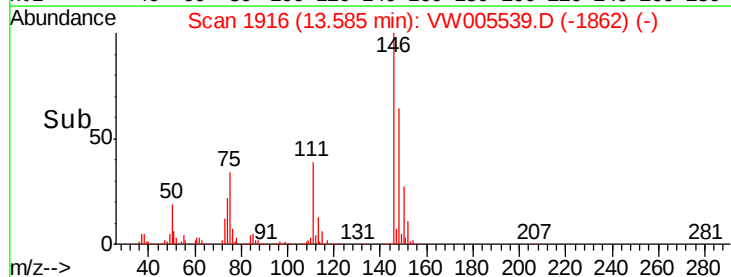
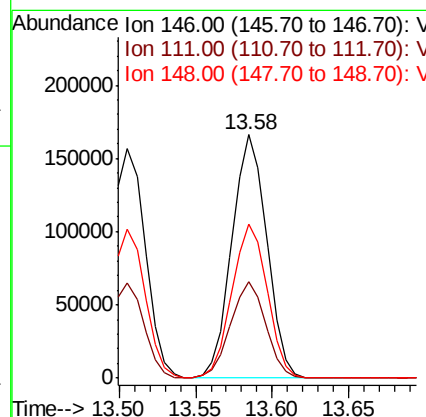
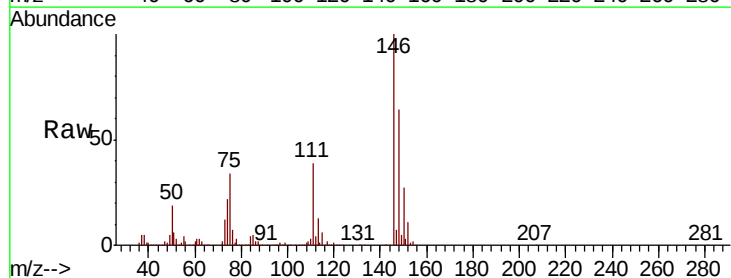
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

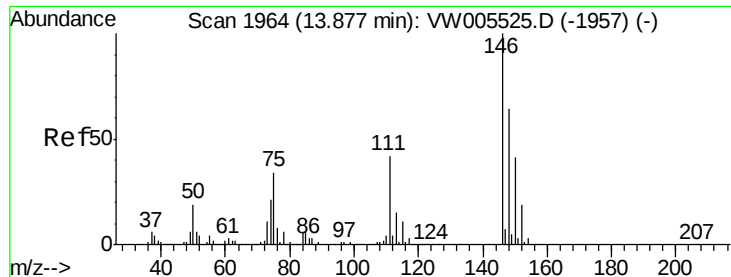
Tgt Ion:146 Resp: 249824
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.6 53.0
 148 65.1 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 25.256 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

Tgt Ion:146 Resp: 263207
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.4 51.0
 148 63.5 43.8 81.4

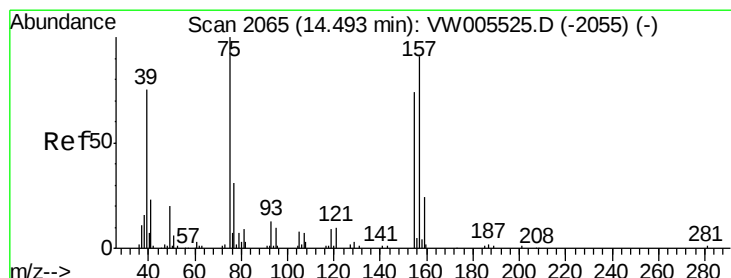
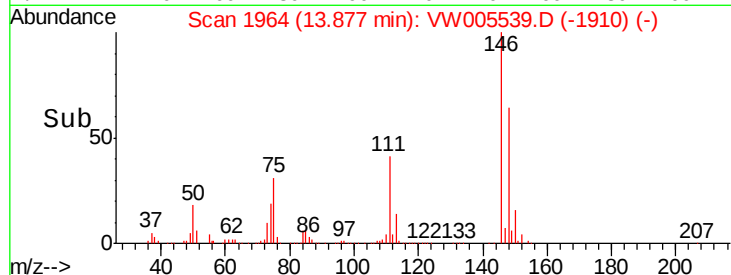
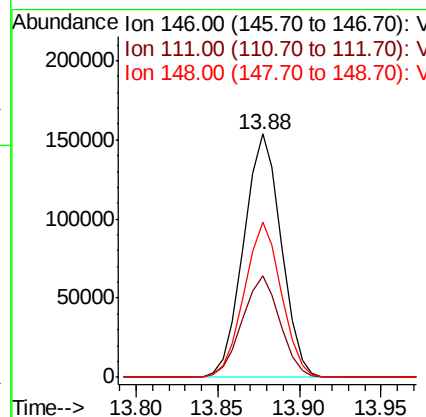
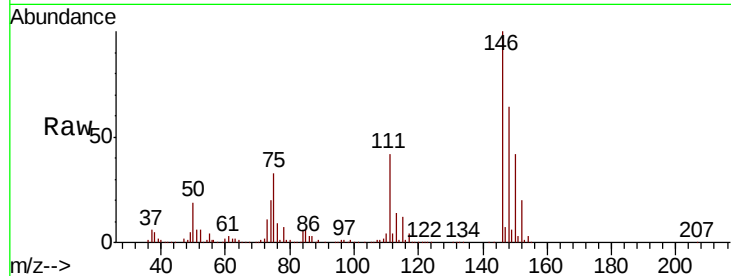




#65
 1,2-Dichlorobenzene
 Concen: 25.853 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

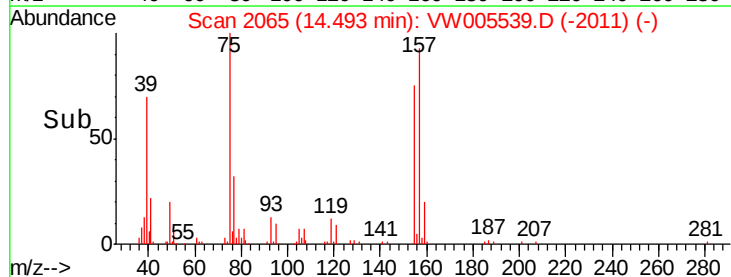
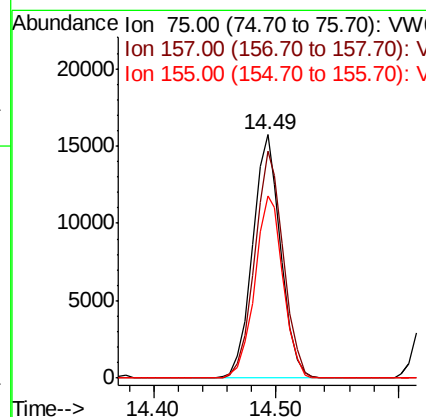
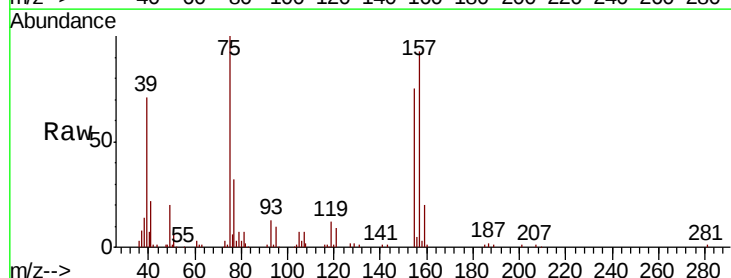
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

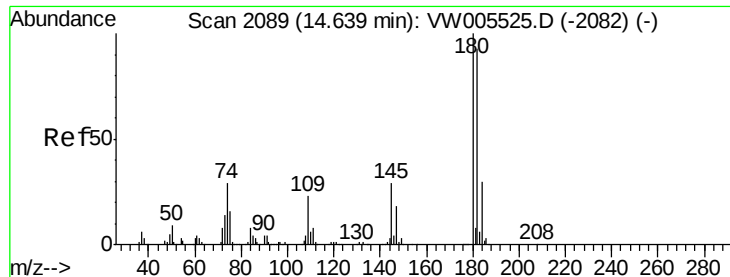
Tgt Ion: 146 Resp: 246840
 Ion Ratio Lower Upper
 146 100
 111 41.6 35.9 53.9
 148 63.7 53.5 80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.228 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

Tgt Ion: 75 Resp: 24988
 Ion Ratio Lower Upper
 75 100
 157 93.1 81.5 122.3
 155 74.8 66.2 99.2

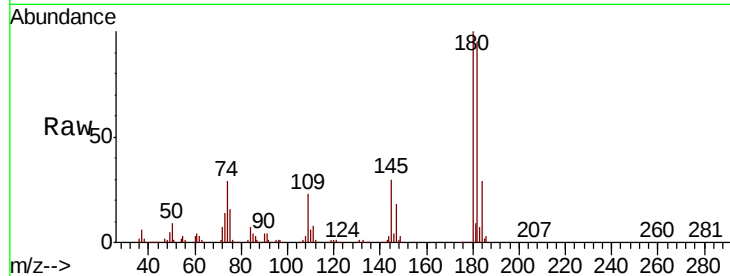




#67
 1,3,5-Trichlorobenzene
 Concen: 25.869 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02581

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.4
184	30.0	24.1	36.1
145	29.5	23.5	35.3



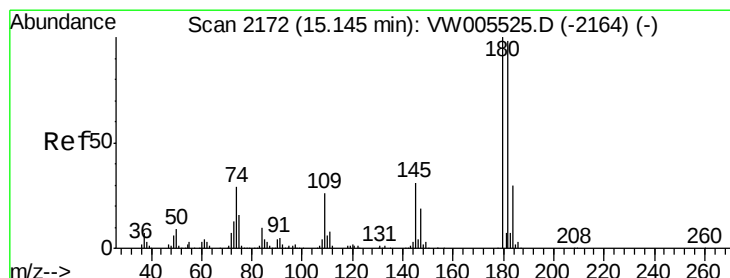
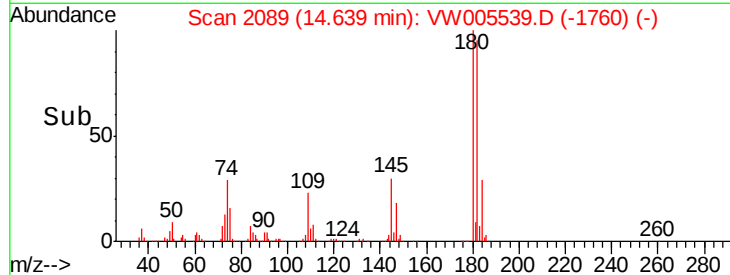
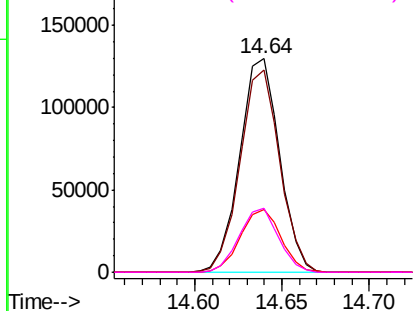
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

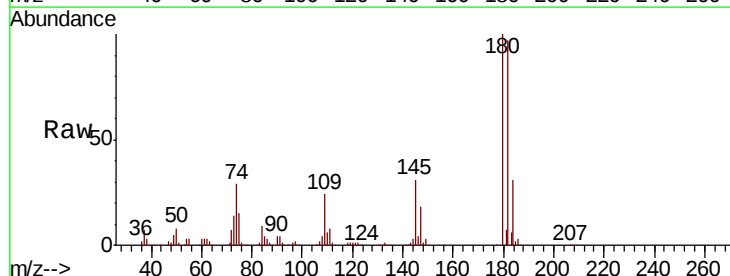
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.029 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005539.D
 Acq: 20 Sep 2018 18:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
145	30.6	24.6	37.0

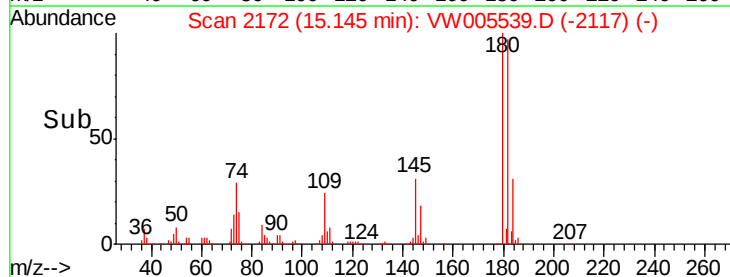
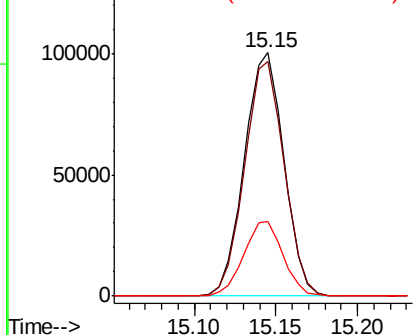


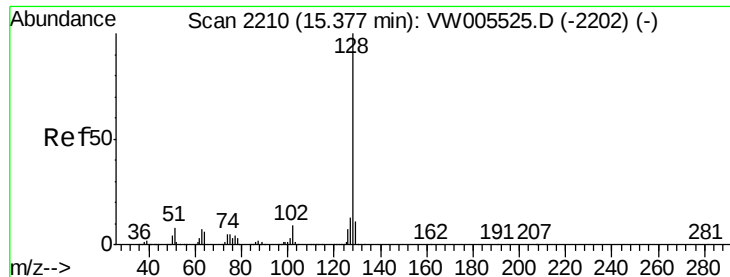
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.442 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

Instrument :

MSVOA_W

ClientSampled :

VSTD02581

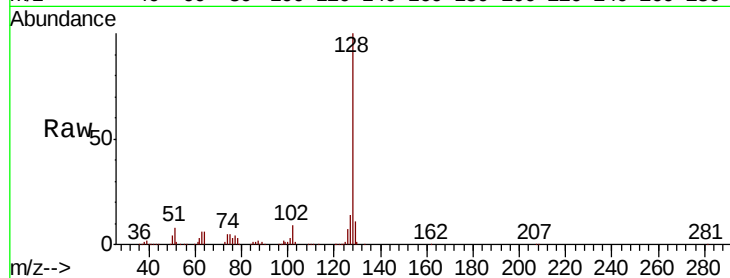
Tgt Ion:128 Resp: 366010

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

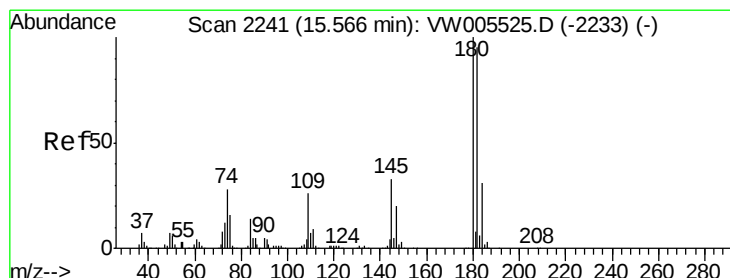
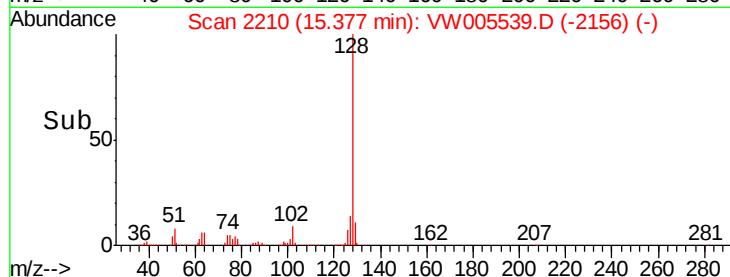
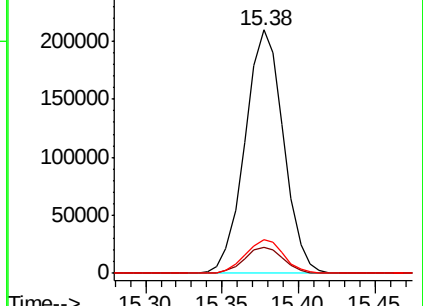
127 13.8 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.354 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005539.D

Acq: 20 Sep 2018 18:02

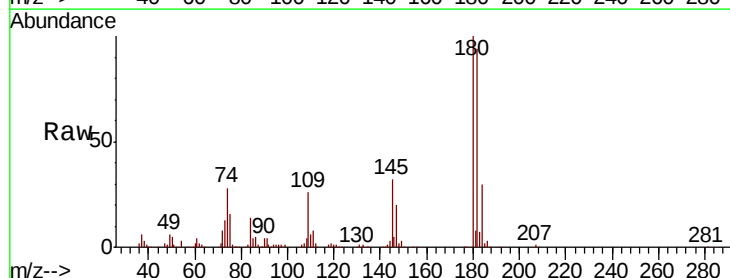
Tgt Ion:180 Resp: 162288

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 32.1 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

